37 Do Not Cut

FEEDSTUFFS SUBJECT INDEX
FOR ENTIRE YEAR 1977

ADVERTISING
AD/PROMO BUDGETS REBOUND IN '77: BIGGEST GAINS AMONG SMALLER FIRMS .....SEP 26 P. 26
MAKING ADVERTISING MORE EFFECTIVE .....SEP 26 P. 29
THE MARKETPLACE .....OCT 10 P. 10

AFLATOXINS
POULTRY INDUSTRY PROGRESS WITH FEED AFLATOXINS NOTED .....APR 11 P. 6
AFLATOXINS CAUSING MORE DOMESTIC, EXPORT CONCERNS .....SEP 12 P. 1
MORE RESEARCH NEEDED ON USES OF AFLATOXIN-AFFECTED GRAINS, FEED .....SEP 19 P. 2
POULTRY SCIENTIST LISTS DANGERS OF AFLATOXIN, PROTECTIVE STEPS IN FEEDS .....SEP 26 P. 15
STANDARD FOR AFLATOXIN TEXT .....OCT 03 P. 57
4 METHODS FOR DETECTION OF AFLATOXIN IN GRAIN, FEEDSTUFFS .....OCT 17 P. 21
AFLATOXIN TEST OFFERED BY USDA TO CORN INDUSTRY .....OCT 24 P. 7
POULTRY TECHNICIAN LISTS EARLY SIGNS OF AFLATOXIN REACTION AMONG BIRDS .....OCT 31 P. 7

AGRIBUSINESS
THE MARKETPLACE .....JAN 03 P. 8
BOOK RECALLS EARLY FARMS, TRANSITION TO AGRIBUSINESS .....JAN 10 P. 8
'GRAIN TRADE' SEEKS TO INCREASE CONSUMER UNDERSTANDING OF INDUSTRY .....JAN 10 P. 8
THE MARKET PLACE .....FEB 07 P. 10
K-STATE AG STUDENTS STUDY GOVERNMENT'S EFFECTS .....FEB 14 P. 7
AG ACHIEVEMENTS LOST TO PUBLIC, PALMBY DECLARES .....FEB 14 P. 11
INDUSTRY PROFITS FEEL EFFECT OF BROILERS .....FEB 28 P. 5
ECONOMISTS PREDICT LOW LIVESTOCK, GRAIN PRICES THROUGH MOST OF '77 .....MAR 28 P. 9
CHASE PREDICTS MEAT, GRAIN OUTLOOKS FOR 1977-78 YEAR .....MAY 02 P. 8
THE MARKETPLACE .....MAY 09 P. 10
AGRIBUSINESS PROFIT PICTURE BECOMES MORE ENCOURAGING AFTER 'LONG, HARD WINTER' .....MAY 23 P. 1
BUTZ CALLS ON AGRIBUSINESS TO EDUCATE PUBLIC .....MAY 23 P. 18
MINNESOTA NAMES AG COMMISSIONER .....JUL 11 P. 35
THE MARKETPLACE .....AUG 01 P. 8
THE MARKETPLACE .....AUG 29 P. 8
THE MARKETPLACE .....OCT 17 P. 8
ANIMAL AGRICULTURE TO BE PRODUCTIVE, PROFIT IN 1978, USDA SAYS .....NOV 21 P. 1
THE MARKETPLACE .....NOV 21 P. 8
ANIMAL AGRICULTURE HELPS BUSINESS PROFITS .....NOV 28 P. 1

AGRIBUSINESS CAREERS
WOMEN MOVING INTO POULTRY FIELD WORK .....FEB 21 P. 19
INDUSTRY HELP IN K-STATE ENROLLMENT SOUGHT .....APR 11 P. 7
AG ENROLLMENTS UP, JOB OPENINGS LAB .....DEC 26 P. 1

AGRICULTURAL POLICY
CONTROVERSY EXPECTED IN NEW FARM BILL'S PROPOSED TARGET PRICES, LOAN RATES .....JAN 03 P. 1
FARM BILL MOST IMPORTANT '77 AG LEGISLATION .....JAN 10 P. 5
COOK, GRANT CAUTION AGAINST HASTY AG POLICY DECISIONS .....JAN 10 P. 8
BERGLAND OUTLINES PROBABLE POLICIES AFTER CONFIRMATION .....JAN 17 P. 1
TALMADGE PLANS TO INTRODUCE FARM BILL THIS WEEK .....JAN 17 P. 1
FARM BILL LIKELY TO HAVE RESERVES PLAN, BROAD EFFECT, EGG PRODUCERS HEAR .....JAN 17 P. 4
SEC. BERGLAND SIZING UP NEW AG POLICIES FOR U.S. .....FEB 07 P. 1
USDA REPORT ON FOOD ISSUES OUT .....FEB 14 P. 42
NEW GROUP CALLS FOR CHEAP FOOD, 'SHIFT AWAY FROM AGRIBUSINESS' .....FEB 21 P. 2

BANK, BROKER DEFEND LAND TRUST PROPOSAL BEFORE CONGRESSIONAL CRITICS .....FEB 21 P. 6
BERGLAND SEEKS MINIMUM WHEAT PRICE WITH CANADA .....FEB 28 P. 5
BERGLAND ADDS LITTLE TO CANADA WHEAT PICTURE .....MAR 14 P. 1
FEED GRAINS COUNCIL URGES TRADE OFFICIAL APPOINTMENT .....MAR 14 P. 1
AG LEADERS AGAINST HIGH TARGET PRICES, LOAN RATES .....MAR 14 P. 4
GRAIN SHIPPERS HEAR ANALYSIS OF CARTER, BERGLAND .....MAR 14 P. 4
ADMINISTRATION MAY SEEK 4-YEAR FARM BILL EXTENSION, GRAIN RESERVE .....MAR 21 P. 5
CONGRESS EXPECTED TO OKAY FARM BILL WITH MODIFICATIONS .....MAR 28 P. 1
NGFA PANEL GRILLS FGIS OFFICIALS CLOSELY ON ASPECTS OF NEW SYSTEM .....MAR 28 P. 1
CORN-WHEAT RELATIONSHIP KEY TO CARTER LOANS .....APR 04 P. 1
ANCA SEEKS REVISION TO MCGOVERN'S COMMITTEE'S 'DIETARY GOALS' REPORT .....APR 04 P. 6
HOUSE SUBCOMMITTEE PLAN SETS LOAN, TARGET LEVELS ABOVE OTHERS PROPOSED .....APR 11 P. 1
CAPITAL, ENERGY-BASED AGRICULTURE DEBATED .....APR 18 P. 4
ADMINISTRATION SWEETENS TARGET PRICE PROPOSALS AFTER CONGRESSIONAL CRITICISM .....APR 25 P. 2
CARGILL EXEC RECOMMENDS INCOME SUPPORT PROGRAM .....MAY 02 P. 1
HOUSE AG COMMITTEE MOVES WHEAT TARGET PRICES CLOSER TO ADMINISTRATIONS .....MAY 02 P. 2
CONTINENTAL GRAIN'S FRIBOURG: COMMODITY RESERVES BETTER ANSWER THAN INTERNATIONAL PRICE AGREEMENTS .....MAY 02 P. 3
HOUSE, SENATE STILL DIFFER ON FARM SUPPORT LEVELS .....MAY 09 P. 2
HOUSE COMMITTEE COMPLETES WORK ON FARM BILL .....MAY 16 P. 4
THE MARKETPLACE .....MAY 16 P. 10
PUBLIC UNAWARE OF HEALTH HAZARDS, FB'S GRANT SAYS .....MAY 16 P. 72
DOLE DEFENDS SENATE VERSION OF FARM BILL .....MAY 30 P. 2
FINAL GRAIN SUPPORT RATES UNCERTAIN AS SENATE ACTS .....MAY 30 P. 2
CATTLEMEN REASSURED ON DIET FAT REPORT .....JUN 06 P. 7
CONGRESS RAISES CROP INSURANCE CAPITAL STOCKS .....JUN 13 P. 6
CARGILL'S MIDDENTS PRESSES FOR LIBERALIZED TRADE IN INTERNATIONAL MARKETS .....JUN 20 P. 5
HOUSE FACES MAJOR ISSUES IN FARM BILL .....JUL 11 P. 1
NEW AG POLICIES MAY MEAN MORE COST TO GOVERNMENT .....JUL 11 P. 7
EFFORT TO CURTAIL MARKET SWINGS DUE TO FAIL: HALOW .....JUL 18 P. 6
SENATOR: CARTER PROMISED TO REVIEW PRICE SUPPORTS .....JUL 18 P. 30
HOUSE AG BILL RAISES WHEAT TARGET PRICE .....JUL 25 P. 2
REPRESENTATIVES PUSH 'FOOD FOR WORK' .....JUL 25 P. 8
FB OFFERS VIEW ON SHARING MARKETS .....JUL 25 P. 24
FARM LEGISLATION GOES TO CONFERENCE .....AUG 01 P. 1
WHEAT SET-ASIDE NEARLY 'FOREGONE CONCLUSION,' CORN, GRAINS POSSIBLE .....AUG 01 P. 2
PRICE SUPPORT LEVELS IN NEW FARM BILL GAIN AGREEMENT IN CONGRESS .....AUG 08 P. 1
GOVERNORS BLAST CARTER AG INACTION .....AUG 22 P. 51
DILEMMA POSED IN SETTING SIZE OF ACREAGE CUTBACK .....AUG 29 P. 1
CARTER GROUP LOOKS INTO POSSIBLE MELD OF ALL FEDERAL FOOD AGENCIES .....AUG 29 P. 2
USDA OUTLINES SET-ASIDE PLAN DETAILS .....SEP 05 P. 1
FINDLEY CALLS NEW FARM BILL "RETREAT" TO 1960S FARM POLICY .....SEP 05 P. 4
SENATE PASSES AGRICULTURE BILL .....SEP 12 P. 3
AG EXPERTS: POLITICS, ECONOMICS BLOCK FOOD PROGRAMS .....SEP 12 P. 9
SET-ASIDE OPTIONS BROADENED; CROP REPORT CITES GAINS .....SEP 19 P. 1
FARM BILL, ADMINISTRATION AG PATHS UNCLEAR: OLIVER .....SEP 19 P. 5
EARL SAYS HE WAS MISQUOTED .....SEP 26 P. 6
FARM BILL SIGNED; COST MISLEADING, CARTER SAYS .....OCT 03 P. 1
USDA DELAYS FEED GRAIN SET-ASIDE DETAILS .....OCT 03 P. 2
USDA'S HJORT SAYS FOOD POLICIES MUST BE LINKED STRONGLY TO WORLD NUTRITION GOALS .....OCT 10 P. 2
FEED GRAIN SET-ASIDE WOULD BE LAST RESORT, BROILERMEN TOLD .....OCT 17 P. 1
FAILURE OF GENEVA TALKS COULD MEAN RETURN TO U.S. PROTECTIONISM: BELL .....OCT 17 P. 4
MACMILLAN CALLS FOR LESS GOVERNMENT INTERVENTION .....OCT 24 P. 8

PRODUCER GROUPS UNHAPPY WITH GRAIN SET-ASIDE .....NOV 21 P. 1
UPPER MIDWEST BANK SURVEY FINDS 90% OF FARMERS NOT BEHIND FARM BILL .....NOV 21 P. 5
FARM STRIKE ACTIVISTS HOLD RALLY IN PLAINS .....NOV 28 P. 64
BUSINESS UNSURE OF IMPACT FROM FARMERS' STRIKE .....DEC 05 P. 1
SIX MONTHS GRAZING TO BE ALLOWED ON SET-ASIDE LANDS, USDA DECIDES .....DEC 05 P. 2
PARITY COSTS TO GOVERNMENT, FEEDERS CALCULATED AS FARM STRIKE DATE NEARS .....DEC 12 P. 1
SCIENTISTS SAY DIET GOALS INAPPROPRIATE FOR GENERAL PUBLIC; REVISION DUE JAN. 1 .....DEC 12 P. 4
FARM STRIKE QUIET SO FAR; PARITY EFFECTS ON ECONOMY ANALYZED .....DEC 19 P. 1
BERGLAND OUTLINES SET-ASIDE POSSIBILITIES .....DEC 19 P. 4
BERGLAND OUTLINES 'ALL-RISK' CROP INSURANCE PLAN .....DEC 26 P. 2
STRIKE VIOLENCE REPORTED; PRICES STABLE .....DEC 26 P. 2

AGRICULTURAL PRICES
PRICES FARMERS PAY FOR FEED CLIMB 4%; CORN ACCOUNTS FOR HALF OF RISE .....JAN 03 P. 2
BETTER OUTLOOK FOR SOUTHERN FARMERS .....JAN 03 P. 43
PRICES PAID BY FARMERS UP 2% IN LATEST MONTH .....FEB 07 P. 2
THE MARKETPLACE .....FEB 21 P. 10
PRICES PAID BY FARMERS UP 1.5% FOR MONTH, 9% FOR YEAR .....MAR 07 P. 2
FEED INDEX GAINS SLIGHTLY .....APR 04 P. 7
APRIL PRICE INDEX SHOWS LOWER GRAIN, HIGHER LIVESTOCK FEED PRICES .....MAY 02 P. 2
MAY FEED PRICE INDEX UP A BIT, BUT 10% OVER '76 .....JUN 06 P. 6
FARMERS PAID 3% LESS FOR FEED IN JUNE THAN IN MAY, USDA SAYS .....JUL 04 P. 2
PRICES RECEIVED, FEED PRICE INDEX BOTH OFF 7% .....AUG 01 P. 2
FEED PRICE INDEX OFF 7% FROM JULY; DOWN FROM '76 .....SEP 05 P. 5
INDEX OF PRICES PAID BY FARMERS FOR FEED DROPS FOR MONTH AND YEAR .....OCT 03 P. 5
FARMERS PAID LESS FOR FEED, MORE FOR OTHER INPUTS IN OCTOBER .....NOV 07 P. 4
HIGHER FEED COSTS, LOWER MEAT PRICES CUT NOVEMBER RATIOS .....DEC 05 P. 6

AGRICULTURE DAY
THE "DUKE" SPEAKS .....JAN 31 P. 5
HUMPHREY SEEKS AG DAY, WEEK .....FEB 14 P. 5
CONTRIBUTIONS FOR AG DAY CLIMB .....FEB 21 P. 47
MARCH 21 AG DAY PLANS HITTING FULL STRIDE .....FEB 28 P. 6
CARTER INVITES FARMERS TO LUNCH FOR AG DAY 1977 .....MAR 21 P. 5
AG DAY 1977 .....APR 18 P. 6
AG DAY FOUNDATION ELECTS CHOHLIS .....MAY 23 P. 112

ALFALFA
FIRST EUROPEAN ALFALFA WILT FOUND IN U.S. .....JAN 03 P. 39
USING DEHYDRATED ALFALFA TO CONTROL INTAKE OF SELF-FED SOWS DURING GESTATION .....FEB 07 P. 20
CONTROL OF ALFALFA YIELD AND STAND SURVIVAL SHOWN .....FEB 07 P. 22
ALFALFA AS A SUPPLEMENT TO INCREASE FOOD INTAKE AND IMPROVE THE USE OF LOW-GRADE ROUGHAGES .....FEB 07 P. 24
DEHY AS A PROTEIN SOURCE FOR RUMINANTS .....FEB 07 P. 27
ADVANTAGES AND CAUTIONS IN WILTING ALFALFA PRIOR TO DEHYDRATION .....FEB 07 P. 29
AIR QUALITY, ENERGY USE CALL FOR PRODUCTION CHANGES .....FEB 07 P. 31
PRODUCTION DIPS TO MEET NEW DICTATES OF MARKET .....FEB 07 P. 31
DEHYDRATOR BACK IN ALFALFA BUSINESS WITH NEW VARIETY .....FEB 07 P. 41
PROGRESS IN DEVELOPMENT OF ALFALFA AS A FEEDSTUFF FOR NON-RUMINANTS .....FEB 28 P. 48
FIELD-WILTED DEHY SAVES FUEL, COMPARES WELL IN TESTS .....MAR 28 P. 12
MACHINE DESIGNED TO HARVEST WET ALFALFA .....APR 25 P. 44
ALFALFA CUBES UP CORN SILAGE DRY MATTER, PROTEIN .....MAY 23 P. 22
STUDY: LOW-SAPONIN ALFALFA PROVIDES HIGH PROTEIN FOR CHICKS .....AUG 15 P. 16

ALFALFA EXTRACT PRODUCES CROP YIELD INCREASES .....NOV 21 P. 19

ALGAE
FIRM GETS OKAY TO HARVEST ALGAE FOR FEED, FERTILIZER .....JUN 06 P. 17

AMINO ACIDS
AMINO ACID REQUIREMENTS FOR TURKEYS .....JAN 10 P. 33
RESEARCHER TELLS AMINO ACID ABSORPTION RATES .....OCT 10 P. 24
AMINO ACIDS SAID TO BE MOST IMPORTANT NUTRIENT .....OCT 10 P. 40

ANALYSES
CANADA USES NEW DIGITAL ANALYZER FOR PROTEIN TESTS .....FEB 14 P. 40
NEW AMINO ACID TEST MAY SPEED GRAIN ANALYSIS .....NOV 28 P. 36
CROP ANALYZER TO SAVE TIME, MONEY: RESEARCH REPORT .....DEC 05 P. 6

ANIMAL NUTRITION
FABA BEANS: AN IMPROVED CROP FOR ANIMAL FEEDING .....JUL 18 P. 15

ANTHELMINTICS
ANTHELMINTICS: EFFECTS ON STEER GROWTH STUDIED .....SEP 26 P. 18

ANTIBIOTICS
SUBTHERAPEUTIC TETRACYLINE USES SHOULD BE LIMITED, SAYS NEW FDA COMMISSIONER .....APR 18 P. 2
FDA COMMISSIONER STICKS WITH ANTI-ANTIBIOTIC STANCE .....APR 25 P. 1
CYANAMID CALLS ANTIBIOTICS SAFE .....APR 25 P. 3
SCIENTISTS DISPUTE FDA ON ANTIBIOTICS .....MAY 02 P. 1
SCIENTIST DISPUTES FDA LOGIC IN RESTRICTING ANTIBIOTIC USE .....MAY 02 P. 7
ANTIBIOTIC USE FOR SWINE SHOULD BE CONTINUED .....MAY 02 P. 19
DRUG INDUSTRY SAYS FDA'S ANTIBIOTIC STAND THREAT TO MORE PRODUCTS .....MAY 09 P. 1
POULTRYMEN TO BATTLE FDA'S KENNEDY .....MAY 16 P. 2
ARIZONA POULTRYMEN HEAR ABOUT PREVENTIVE MEDICINE, CAGE WORK, OTHER TOPICS .....MAY 16 P. 7
FDA ANTIBIOTIC PROPOSAL DRAWS TRADE GROUP FIRE .....MAY 30 P. 1
JUKES DEFENDS TETRACYCLINE USE, EXAMINES FOOD ISSUE AT AFMA .....MAY 30 P. 3
PFIZER EXECUTIVE BEMOANS FDA MOVE ON DRUGS .....MAY 30 P. 4
CAUTIONS ON ANTIBIOTIC ISSUE .....MAY 30 P. 6
FDA'S KENNEDY HOLDS FIRM ON DRUG ISSUE .....JUN 06 P. 1
NFIA LINES UP AGAINST KENNEDY .....JUN 06 P. 8
TEXT OF JUKES TESTIMONY BEFORE HOUSE SUBCOMMITTEE HEARING ON ANTIBIOTICS .....JUN 06 P. 23
FDA PROPOSES WITHDRAWAL OF DRUG COMBINATION .....JUN 13 P. 6
GEORGIA REPORTS LINCOMYCIN EFFECT ON BROILER DISEASE .....JUN 13 P. 46
RACHELLE CONTINUES TELEGRAPH SERVICE .....JUL 04 P. 6
CANADA WON'T FOLLOW U.S. IN BANNING CERTAIN ANTIBIOTICS .....JUL 11 P. 1
ANTIBIOTICS FILM DEBUTS AT MONTANA FEED MEN'S SCHOOL .....JUL 25 P. 73
PROPOSED DRUG BAN PUBLICATION EXPECTED TO BE IN MID-AUGUST .....AUG 01 P. 2
PURINA URGES "REALISTIC" ANTIBIOTIC POLICY IN STATEMENT TO FDA COMMISSIONER .....AUG 22 P. 2
USDA HOLDS BACK ON DATA SHOWING ANTIBIOTIC EFFICACY .....AUG 29 P. 1
DRUG MAKERS WILL FIGHT FDA ON PROPOSED BAN AGAINST LOW LEVEL USE OF PENICILLIN .....SEP 05 P. 2
CONGRESSIONAL HEARINGS ON ANTIBIOTICS USE IN FEED GET LITTLE NEW INFORMATION .....SEP 26 P. 2
NEW FDA POLICY WILL MEAN VET PRESCRIPTIONS FOR PENICILLIN, TETRACYCLINES .....OCT 03 P. 4
OCT. 18 SET FOR FDA'S TETRACYCLINE PROPOSAL RELEASE .....OCT 10 P. 1
VIRGINIAMYCIN LEVELS VARIED IN STARTER, GROWER RATIONS .....OCT 17 P. 14
SURVEY SHOWS ADVERSE ANTIBIOTIC REACTION RARE .....OCT 24 P. 1

FDA PUBLISHES PROPOSAL TO SEVERLY RESTRICT USES OF TETRACYCLINE .....OCT 24 P. 1
SWINE TRIALS REPORTED WITH BAMBERMYCINS .....OCT 24 P. 5
THREE DRUG MAKERS DISPUTE FDA'S POSITION IN REGARD TO RESTRICTIONS ON TETRACYCLINES .....OCT 31 P. 5
INDUSTRY GROUPS PLAN UNITED DRUG CAMPAIGN .....NOV 21 P. 4
AVIAN VETS URGE CONTINUED USE OF ANTIBIOTICS IN FEED .....NOV 21 P. 6
ANTIMICROBIAL AGENTS CAN ACT AS GROWTH PERMITTANTS .....DEC 05 P. 16
THIRD PROPOSAL TO LIMIT PENICILLIN, TETRACYCLINE EXPECTED THIS WEEK .....DEC 12 P. 1
TASK FORCE CHALLENGES PROPOSED LIMITATIONS ON ANTIBIOTICS USE .....DEC 12 P. 4
IOWA STATE VET CRITICAL OF FDA DRUG PROPOSALS .....DEC 12 P. 5
BACITRACIN FOUND BENEFICIAL IN LOW PROTEIN LAYER DIET .....DEC 19 P. 18

AQUACULTURE
FIRST CRAWFISH PROCESSORS MEETING HELD .....JAN 03 P. 27
INSECT TESTS SHOW FISH PRODUCTION WASN'T AIDED .....JAN 03 P. 27
STUDY FINDS SOME FISH GROW IN WASTE POND .....JAN 03 P. 27
THE MARKETPLACE .....JAN 10 P. 12
SCIENTIST SAYS NEW AQUATIC FOOD SOURCES ARE NEEDED .....JAN 10 P. 44
CRUSTACEAN STUDIES ADVANCE THROUGH SEA GRANT PROGRAM .....JAN 24 P. 64
WORLD AQUACULTURE DATA DISCUSSED IN COSTA RICA .....FEB 14 P. 26
USE OF AGRICULTURE WASTES IN AQUACULTURE .....MAR 14 P. 34
OPPORTUNITIES FOR CRAWFISH IN CRUSTACEAN AQUACULTURE .....APR 04 P. 18
POND-CLEANING FISH STUDIED BY RESEARCHERS .....APR 18 P. 39
USING CRUSTACEAN MEALS AND CAROTENOID-FORTIFIED DIETS .....MAY 09 P. 26
THE MARKETPLACE .....MAY 16 P. 10
CATFISH INDUSTRY GROWS TO MATURITY IN DECADE .....MAY 16 P. 49
AQUACULTURE IN ISRAEL .....JUN 13 P. 30
REPORT FORECASTS SHORTAGE OF SEAFOOD SUPPLIES IN 10 YEARS .....JUL 11 P. 22
AID GRANTED TO STUDY COMMERCIAL SHRIMP .....JUL 11 P. 25
GRANT TO AID CHILE IN AQUACULTURE .....JUL 25 P. 56
STUDIES SHOW INSECTS ARE INSIGNIFICANT IN CATFISH DIET .....JUL 25 P. 65
MARINE FISH FARMING IN ISRAEL .....AUG 15 P. 23
CUTLASSFISH TESTED IN FROZEN FISH FOODS .....SEP 05 P. 38
FLOATING MARINE CAGES CAN PAY, AG ENGINEERS FIND .....SEP 05 P. 38
FEEDING METHODS EXPLORED FOR WALLEYE, MOSQUITOFISH .....OCT 10 P. 28
USE OF SUBSTITUTE PROTEINS IN AQUATIC DIETS .....OCT 31 P. 21
LOUISIANA CRAWFISH FARMERS STUDY NEW BAITS, METHODS .....NOV 07 P. 16
SOFT SHELL CRAWFISH AS AN AQUACULTURE FOOD PRODUCT .....DEC 05 P. 28
LOBSTER FARMS MAY PAY OFF SOON, RESEARCH REPORT SAYS .....DEC 12 P. 34
IDAHO TROUT FARM IRRIGATES CROPS WITH WASTE WATER .....DEC 12 P. 37

ARTIFICIAL INSEMINATION
FROZEN SEMEN, AI MAY AID FISH, FOWL PRODUCTIVITY .....AUG 29 P. 7
CARNATION REPORTS OVA TRANSFER WORK .....SEP 19 P. 18

ASSOCIATION

ALABAMA FEED ASSN.
ALABAMA FEED ASSN. .....MAY 30 P. 27

AGRIBUSINESS COUNCIL, INC.
PHILIPPINES SEEK U.S. AGRIBUSINESS .....JUL 11 P. 25

AGRICULTURE COUNCIL OF AMERICA

AG COUNCIL OF AMERICA DEVELOPS PLAN ON GOVERNMENT REGULATIONS .....MAY 09 P. 4
LOW GRAIN PRICES FIRST PRIORITY OF FARMERS IN ACA CALL-IN .....JUN 06 P. 29
ACA OFFICERS .....AUG 22 P. 3

AMERICAN AGRICULTURE
NATIONAL FARM STRIKE GAINS ATTENTION .....NOV 14 P. 4

AMERICAN ASSOCIATION OF AVIAN PATHOLOGISTS
AVIAN PATHOLOGISTS .....JAN 03 P. 26
CHOE HONORED FOR AVIAN RESEARCH .....AUG 01 P. 10
AVIAN PATHOLOGISTS' OFFICERS .....AUG 01 P. 21

AMERICAN ASSOCIATION OF FEED CONTROL OFFICIALS
AAFCO MEETS .....JUN 13 P. 32

AMERICAN ASSOCIATION OF FEED MICROSCOPISTS
MICROSCOPISTS SET 25TH ANNUAL MEETING FOR JUNE .....MAY 23 P. 81
MICROSCOPISTS ELECT .....JUL 04 P. 28

AMERICAN ASSOCIATION OF INDUSTRIAL VETERINARIANS
APPROVAL SEEKERS .....JUN 06 P. 29

AMERICAN CHEMICAL SOCIETY
CHEMIST HONORED .....NOV 14 P. 28

AMERICAN COLLEGE OF VETERINARY TOXICOLOGISTS
TOXICOLOGISTS WORK ON ANALYTICAL METHODS MANUAL .....AUG 22 P. 42

AMERICAN DEHYDRATORS ASSN.
DEHYDRATORS SET FEB. CONVENTION SPEAKERS, TOPICS .....JAN 24 P. 8
SCHENK ELECTED DEHY PRESIDENT .....FEB 14 P. 8

AMERICAN DRY MILK INSTITUTE
MILK INSTITUTES MEET APRIL 27-29 .....MAR 21 P. 61
MILK INSTITUTE ELECTS .....MAY 23 P. 92

AMERICAN FEED MANUFACTURERS ASSN.
10 NEW MEMBERS NAMED TO MIDWEST COUNCIL-AFMA .....JAN 24 P. 12
AFMA CONVENTION THEME .....FEB 07 P. 5
AFMA TO HOLD FIRST PURCHASING SEMINAR IN MARCH .....FEB 07 P. 64
AFMA PROGRAM SET MARCH 13-18 .....FEB 28 P. 8
AFMA QUALITY CONTROL SEMINAR, MARCH 30-31 .....MAR 14 P. 7
TOM GRILL HEADS MIDWEST COUNCIL ASSOCIATES GROUP .....APR 11 P. 4
AFMA CONFIRMS PRODUCTION SCHOOL SPEAKERS, TOPICS .....APR 18 P. 2
AFMA LISTS CONVENTION PROGRAM TOPICS .....APR 18 P. 2
MANAGEMENT COURSE OFFICERS .....MAY 02 P. 8
AFMA TRADE SHOW SPACE SOLD OUT .....MAY 09 P. 5
AFMA SPEAKERS .....MAY 16 P. 2
AFMA'S BILL DIAMOND RECALLS 30 YEARS OF FEED PROGRESS .....MAY 23 P. 10
AFMA ELECTS NEW DIRECTORS TO FOUR-YEAR TERMS .....MAY 23 P. 12
STAHELI NAMED AFMA CHAIRMAN .....MAY 30 P. 3
AFMA APPOINTS COMMITTEES TO LOOK AT DELANEY CLAUSE, ANTIBIOTIC RESTRICTIONS .....MAY 30 P. 4

DIAMOND HONORED .....JUN 06 P. 8
LIQUID FEED TOPICS ANNOUNCED FOR SYMPOSIUM .....JUN 27 P. 14
WISCONSIN WORKER WINS AFMA AWARD .....JUL 11 P. 13
IOWA STATE VET RECEIVES AFMA AWARD .....JUL 25 P. 15
FINAL PROGRAM SET FOR LIQUID FEED SYMPOSIUM .....AUG 01 P. 4
LIQUID FEED SPEAKERS .....AUG 08 P. 2
FLORIDA'S AMMERMAN HONORED BY AFMA .....AUG 08 P. 22
SPEAKERS, TOPICS SET FOR AFMA MARKETING SEMINAR .....AUG 15 P. 2
MARKETING PROGRAM .....AUG 29 P. 3
AFMA PRODUCTION & PLANT MANAGER MEETING PLANNED .....AUG 29 P. 3
AFMA HONORS POULTRY RESEARCHER .....SEP 12 P. 2
OCT. 31 MIDWEST AFMA CONVENTION WILL BE IN K.C. .....SEP 19 P. 10
FLOOD FORCES CONVENTION MOVE .....SEP 26 P. 2
AFMA MARKETING COUNCIL .....OCT 10 P. 26
AFMA-MIDWEST CONVENTION PROGRAM FINALIZED .....OCT 17 P. 4
THREE ELECTED TO AFMA BOARD .....NOV 07 P. 2
AFMA MARKETING COUNCIL EXECS .....NOV 21 P. 2
NEW AFMA MARKETING COUNCIL COMMITTEE .....NOV 28 P. 4
AFMA'S MIDWEST COUNCIL SEATS THREE OFFICERS .....DEC 05 P. 7
AFMA LAUNCHES DRIVE TO ENLIST NON-MEMBER FIRMS .....DEC 05 P. 37
AFMA SCHEDULES SEVEN REGIONAL PRODUCTION SCHOOLS .....DEC 12 P. 26
AFMA ANNOUNCES COMMUNICATIONS SEMINAR PROGRAM .....DEC 26 P. 6

AMERICAN INSTITUTE FOR COOPERATION
AIC LISTS GRADUATE, UNDERGRADUATE AWARDS .....JAN 17 P. 26

AMERICAN NATIONAL CATTLEMEN'S ASSN.
CAST PANEL TO GIVE HORMONE FINDINGS AT ANCA .....JAN 10 P. 26
ANCA ACTION .....FEB 07 P. 4
COMMITTEE TO HEAR MEAT-DIET EVIDENCE .....FEB 21 P. 4

AMERICAN PHARMACEUTICAL ASSN.
PHARMACEUTICAL SYMPOSIUM SET .....APR 11 P. 4

AMERICAN POULTRY HISTORICAL SOCIETY
POULTRY HALL OF FAME NOMINATIONS SOUGHT .....JAN 17 P. 16
POULTRY HALL OF FAME .....OCT 10 P. 1
POULTRY INDUSTRY HALL OF FAME NAMES INDUCTEES .....OCT 10 P. 19

AMERICAN SHEEP PRODUCERS COUNCIL
SHEEP PRODUCERS .....APR 25 P. 60

AMERICAN SOCIETY OF AGRICULTURAL CONSULTANTS
ASAC MEETS USDA .....APR 18 P. 8
AG CONSULTANTS MEETING WILL HAVE WORKSHOPS .....AUG 15 P. 7
AG CONSULTANTS SET MEETING SPEAKERS, TOPICS .....SEP 12 P. 3
ENERGY PANEL .....OCT 03 P. 5
CONSULTANT SPEAKERS .....OCT 10 P. 5

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS
HARVEST MEETING PLANNED IN IOWA .....JUN 20 P. 33
AG ENGINEERS SET OUTLOOK MEETING .....JUN 20 P. 34

AG ENGINEERS WILL SPOTLIGHT FOOD, ENERGY .....OCT 24 P. 54

AMERICAN SOCIETY OF ANIMAL SCIENCE
OHIO DAIRY SCIENTIST WINS NATIONAL AWARD .....AUG 08 P. 15

AMERICAN VETERINARY MEDICAL ASSN.
WASTE FEEDING .....AUG 08 P. 14
AVMA ISSUES WARNING AGAINST UNLICENSED DRUGS .....DEC 12 P. 31

ANIMAL HEALTH INSTITUTE
ANIMAL HEALTH INSTITUTE MEETING SET FOR MAY 1-4 .....MAR 21 P. 41
AHI ANNOUNCES MAY 1-4 SPEAKERS .....APR 11 P. 4
ANIMAL HEALTH PRODUCT SALES NEAR $1.2 BILLION IN 1976 .....MAY 09 P. 2
DAVID PHILLIPSON ELECTED BY AHI .....MAY 09 P. 2
AHI DIRECTORS .....MAY 09 P. 42

ANIMAL NUTRITION RESEARCH COUNCIL
ANRC MEETING SET FOR OCT. 20 IN WASHINGTON .....SEP 05 P. 6
ANRC SPEAKERS .....OCT 03 P. 7

ARIZONA CATTLE FEEDERS' ASSN.
ARIZONAS' OFFICERS .....MAR 21 P. 10

ARKANSAS EGG COUNCIL
ARKANSAS EGG COUNCIL .....APR 18 P. 18

ARKANSAS POULTRY FEDERATION
ARKANSAS POULTRY GROUP .....JAN 03 P. 21

ASSOC. OF THE AMERICAN FEED CONTROL OFFICIALS
AAFCO RELEASES REPORTS FOR MEETING ACTION .....JUL 25 P. 7
AAFCO DEBATES, BUT HAS TO GO ALONG WITH PROPOSED TEXAS LABELING CHANGE .....AUG 07 P. 7

CALIFORNIA EGG BOARD
COOKING IN THE DARK .....JUN 13 P. 46
TEEN-AGE EGG PROMOTERS .....JUN 27 P. 7
CALIFORNIA WINNER .....AUG 08 P. 17

CALIFORNIA GRAIN & FEED ASSN.
CALIFORNIA GRAIN, FEED ASSN. SETS CONVENTION TOPICS .....MAR 21 P. 41
CALIFORNIA GRAIN, FEED MOVES TO OFFICES .....MAR 28 P. E20
CALIFORNIA SEED, FEED GROUPS JOIN OFFICES, STAFF .....MAY 16 P. 14

CANADIAN FEED INDUSTRY ASSN.
CANADIAN FEED MEN CHANGE ASSOCIATION NAME .....NOV 21 P. 5

CANADIAN FEED MANUFACTURERS ASSN.
CANADIANS AT AFMA .....JUN 13 P. 4
CFMA CONVENTION TO CONSIDER SEVERAL CHANGES .....JUN 27 P. 4

CAROLINAS VIRGINIA GRAIN & FEED ASSN.
SOUTHERN FEED MEN SET MEETING .....JAN 31 P. 7

CATFISH FARMERS OF AMERICA
CATFISH FARMERS SET CONVENTION FOR FEBRUARY 2-5 .....JAN 24 P. 10
CATFISH FARMERS OFFICERS .....FEB 28 P. 74
CATFISH FARMERS NAME SCHROEDER TOP FISH FARMER .....MAR 07 P. 18
MARGARET MEAD TO TALK AT ATLANTA'S AQUACULTURE '78 .....OCT 10 P. 28
AQUACULTURE/ATLANTA/'78 DUE IN JANUARY .....DEC 12 P. 48

CEDAR RAPIDS FEED & GRAIN CLUB
CEDAR RAPIDS FEED CLUB PLANS OUTING .....MAY 16 P. 27

CENTRAL VIRGINIA BROILER PRODUCERS ASSN.
CENTRAL VA. BROILER ASSN. .....APR 18 P. 18

CHICAGO FEED CLUB
CHICAGO FEED CLUB OFFICERS .....JAN 03 P. 21
CHICAGO FEED CLUB PLANS GOLF OUTING .....MAY 16 P. 27

COLORADO CATTLE FEEDERS ASSOCIATION
COLORADO CATTLEMENT ELECT .....OCT 03 P. 18
SKAU RETIRES FROM COLORADO CATTLE FEEDERS .....DEC 19 P. 16

COLORADO GRAIN & FEED ASSN.
KEYES TURNS OVER GAVEL .....MAR 21 P. 44
FEED MEN ELECT .....APR 11 P. 44

COLUMBUS FEED CLUB
COLUMBUS FEED CLUB SETS GOLF OUTING .....MAY 30 P. 28

COUNCIL FOR AGRICULTURAL SCIENCE & TECHNOLOGY (CAST)
CAST'S BLACK GIVEN AWARD .....JAN 03 P. 37

CROP QUALITY COUNCIL
WHEAT QUALITY MEETING SET .....JAN 17 P. 39
CROP PRODUCTION CONFERENCE SET .....NOV 07 P. 4

DELMARVA POULTRY INDUSTRY
DELMARVA OFFICERS .....JAN 10 P. 10
POULTRY AWARD .....MAY 16 P. 6
PRESIDENT'S PACE .....JUN 13 P. 6
DELAWARE POULTRY HEALTH MEETINGS .....SEP 19 P. 42

DES MOINES FEED & GRAIN CLUB
DES MOINES FEED CLUB SETS FIELD DAY .....APR 25 P. 60

DISTILLERS FEED RESEARCH COUNCIL
DISTILLERS COUNCIL PLANS APRIL 13 FEED CONFERENCE .....MAR 14 P. 2
DISTILLERS HONOR RICHARD LUTZ .....APR 18 P. 2
DISTILLERS COUNCIL .....APR 25 P. 60
DISTILLERS OFFICERS .....MAY 09 P. 4
DISTILLERS HEAR NUTRITIONISTS .....MAY 23 P. 106

DIXIE FARM SHOW

DIXIE FARM SHOW IN ATLANTA .....NOV 07 P. 13

DIXIE POULTRY CONVENTION
SEBASTIAN DIXIE HEAD .....OCT 24 P. 56

EASTERN FEDERATION OF FEED MERCHANTS
EFFM OFFICERS .....JUL 04 P. 28

EQUINE NUTRITION & PHYSIOLOGY SOCIETY
DR. EVANS ELECTED .....MAY 30 P. 27

FARM AND INDUSTRIAL EQUIPMENT INSTITUTE
FIEI INSTALLS PRESIDENT .....OCT 10 P. 42

FARMERS ELEVATOR ASSN. OF MINNESOTA
FARMERS ELEVATOR CONVENTION SET .....JAN 24 P. 10
YUTRZENKA ELECTED .....MAR 14 P. 40

FEDERATION OF EUROPEAN FEED COMPOUNDERS
NEW ANDERSONS PLANT TOUR .....NOV 14 P. 4
EUROPEAN FEED MEN TOUR .....NOV 28 P. 39

FLORIDA FEED ASSN.
FLORIDA FEED HEAD .....AUG 01 P. 21

FLORIDA POULTRY FEDERATION
FLORIDA POULTRY FEDERATION .....JAN 03 P. 21
NEW OFFICE IN FLORIDA .....AUG 01 P. 32

FT. DODGE FEED CLUB
FT. DODGE FEED CLUB GOLF OUTING JULY 12 .....JUL 04 P. 29

GEORGIA EGG ASSN.
GEORGIA EGG OFFICERS .....AUG 08 P. 36

GEORGIA POULTRY FEDERATION
POULTRYMEN TO ATTEND INAUGURATION .....JAN 17 P. 4
GEORGIANS SEEK ENERGY HELP .....FEB 21 P. 7
POULTRYMEN ELECT .....MAY 02 P. 23
DISCUSSING SOUTHERN PROBLEMS .....AUG 08 P. 6
SPECIAL MEETING SET ON AIRSACCULITIS .....AUG 15 P. 7
ARRESTED IN GAINESVILLE .....NOV 21 P. 6

GRAIN ELEVATOR & PROCESSING SOCIETY
GEAPS SPONSORS INTERNATIONAL DUST SYMPOSIUM .....FEB 28 P. 15
GEAPS CHANGES DUST EXPLOSION MEETING DATES .....APR 25 P. 44

GRAIN & FEED ASSN. OF ILLINOIS
ILLINOIS GRAIN, FEED MEETING SET FOR FEB. 14-16 .....FEB 07 P. 42
FEED MEN ELECTED .....MAR 14 P. 40

GRAIN SORGHUM PRODUCERS ASSN.

GRAIN SORGHUM CONFERENCE SET FOR MARCH 2-4 .....FEB 14 P. 61

GREATER MINNEAPOLIS CHAMBER OF COMMERCE
FARM FORUM SETS SPEAKERS MARCH 1 .....FEB 07 P. 7

ILLINOIS PORK PRODUCERS ASSN.
ILLINOIS HOGMEN SEEK ANTI-SERUM MARKETERS .....JAN 17 P. 12

INDIANA GRAIN & FEED ASSN.
INDIANA FEED MEN ELECT .....FEB 07 P. 48

INDIANA STATE POULTRY ASSN.
GROUPS DEAL WITH ANIMAL AG PROBLEMS .....JAN 03 P. 10
GOLDEN EGG AWARD .....OCT 31 P. 7

INLAND COMMERCIAL FISHERIES ASSN.
FISHERIES GROUP PLANS EXPANSION OF ACTIVITIES .....MAY 16 P. 50

IOWA GRAIN & FEED ASSN.
IOWA GRAIN, FEED SPONSORS SEMINAR .....JAN 03 P. 3
IOWA GROUP OFFERS MANAGEMENT HELP .....JUL 04 P. 20
NEW IFGA OFFICERS .....SEP 19 P. 10
LOOK TO FEED INDUSTRY FUTURE .....SEP 26 P. 25

IOWA TURKEY FEDERATION
IOWA TURKEY OFFICERS .....FEB 07 P. 18

KANSAS CITY FEED CLUB
KC FEED CLUB PLANS OUTING .....MAR 21 P. 61
KC FEED CLUB OFFICERS .....MAY 02 P. 17
KANSAS CITY FEED CLUB SETS OUTING .....MAY 23 P. 128
K.C. FEED CLUB JULY 19 EVENT SET .....JUL 04 P. 27
KC FEED CLUB PLANS OUTING .....SEP 19 P. 4
KC FEED CLUB SETS PARTY DATE .....NOV 21 P. 5

KANSAS CITY NUTRITION SEMINAR
KANSAS CITY NUTRITION GROUP OPENS SEASON .....AUG 29 P. 2

KANSAS GRAIN & FEED ASSN.
KANSAS FEED MEN .....MAY 23 P. 92

KENTUCKY POULTRY FEDERATION
KENTUCKY-TENNESSEE PROMOTION SOUGHT .....APR 25 P. 52
POULTRY OFFICERS .....NOV 28 P. 48

LIVESTOCK CONSERVATION INSTITUTE
LCI ELECTS OFFICERS .....JUN 06 P. 28

LIVESTOCK EXPORT ASSN.
LIVESTOCK EXPORTERS CHOOSE OFFICERS .....JUL 04 P. 10

LIVESTOCK MARKETING ASSN.

CASEY HEADS LMA .....FEB 07 P. 48

MARYLAND FEED INDUSTRY COUNCIL
ANNIVERSARY PLANNERS .....DEC 05 P. 5

MICHIGAN ALLIED POULTRY INDUSTRIES
MICHIGAN POULTRYMEN .....MAY 02 P. 23

MICHIGAN GRAIN & AGRI DEALERS ASSN.
MICHIGAN GRAIN MEN SCHEDULE FEB. CONVENTION .....JAN 10 P. 55

MIDWEST POULTRY FEDERATION
POULTRY MEETING SET .....JAN 17 P. 39
MIDWEST POULTRY CONVENTION TO DEAL WITH ENERGY .....FEB 14 P. 11
MIDWEST POULTRY CONVENTION AGENDA DETAILS ANNOUNCED .....FEB 21 P. 6
MIDWEST POULTRY .....FEB 28 P. 10
TURKEY WORKSHOP SPEAKERS .....MAR 14 P. 1
MIDWEST POULTRY OFFICERS .....AUG 22 P. 42
MIDWEST POULTRY OFFERS ACHIEVEMENT AWARDS .....DEC 26 P. 16

MIDSOUTH SOYBEAN & GRAIN SHIPPERS ASSN.
MIDSOUTH SHIPPERS ELECT .....AUG 08 P. 36

MINNEAPOLIS GRAIN SHIPPERS ASSN.
MINNEAPOLIS SHIPPERS .....MAR 21 P. 49

MO AG INDUSTRIES, COUNCIL, INC.
MO AG INDUSTRIES SETS JAN. 17-19 CONVENTION TOPICS .....JAN 10 P. 50
MO AG COUNCIL ELECTS .....FEB 07 P. 48

MISSOURI LIVESTOCK & POULTRY HEALTH COUNCIL
NEW ANIMAL HEALTH COUNCIL TO BE SET UP .....JAN 24 P. 34

MONTANA FEED MANUFACTURERS & DEALERS ASSN.
MONTANA OFFICERS .....MAR 07 P. 4
SCHOLARSHIP AWARDED .....MAR 07 P. 12

NATIONAL ACADEMY OF SCIENCES
PLANT-ANIMAL SYMPOSIUM SET .....AUG 29 P. 29

NATIONAL AGRI-MARKETING ASSN.
HONORARY CHAIRMAN .....JAN 03 P. 1
BERGLAND, DEAN AMONG SPEAKERS SET FOR NAMA .....APR 04 P. 8
MEGOWN TO ADDRESS AG MARKETERS .....APR 18 P. 13
NAMA ELECTS .....APR 25 P. 60
NAMA OFFICERS .....MAY 09 P. 42
HONORED BY NAMA .....MAY 30 P. 28
NAMA OUTLOOK CONFERENCE SET .....JUL 18 P. 14
NAMA OUTLOOK CONFERENCE SETS SPEAKERS, TOPICS .....SEP 05 P. 8
NAMA OUTLOOK SPEAKERS ADDED .....OCT 10 P. 5
NAMA OUTLOOK PROCEEDINGS AVAILABLE .....DEC 05 P. 23

NATIONAL BROILER COUNCIL

NBC MERCHANDISING SEMINAR PLANNED .....APR 11 P. 6
NBC TO BE SOLE COOKOFF SPONSOR .....AUG 15 P. 7
USDA OFFICIALS HEAD LIST OF NBC SPEAKERS .....OCT 10 P. 7
COVELL HEADS NBC .....OCT 17 P. 40

NATIONAL BROILER MARKETING ASSN.
NATIONAL BROILER MARKETERS TO MEET .....FEB 28 P. 11
NBMA TO APPEAL RULING AGAINST BROILER PRODUCERS .....MAY 16 P. 8

NATIONAL CAPON COUNCIL
CAPON COUNCIL BEGINS CAMPAIGN .....NOV 14 P. 17

NATIONAL CATTLEMEN'S ASSN.
OFFICERS CHOSEN FOR NEW BEEF ASSOCIATION .....MAR 21 P. 49
NCA SETS FIRST CONVENTION DATES .....APR 18 P. 4
REGION, COMMITTEE HEADS NAMED BY CATTLE GROUP .....AUG 01 P. 3
NEW CATTLEMEN'S GROUP OFFICIALLY BEGINS OPERATIONS .....SEP 05 P. 4
NCA SYMBOL .....SEP 12 P. 17
NCA ANNOUNCES NEW BEGINNING CONVENTION THEME .....OCT 31 P. 14
NCA'S MARBLE ELECTED .....NOV 21 P. 39
NCA EXPANDING TAX PROGRAM .....DEC 12 P. 4
JOHN CONALLY TO ADDRESS NCA CONVENTION .....DEC 19 P. 5
DIETARY GOALS MEETING PLANNED .....DEC 26 P. 5

NATIONAL COMMISSION ON EGG NUTRITION
NCEN AWAITS COURT ACTION, MAY RELOCATE .....SEP 19 P. 6
NCEN UNCERTAIN OF FURTHER APPEAL; 'WE NOW KNOW THE RULES,' SAYS WENTINK .....DEC 12 P. 5

NATIONAL CORN GROWERS ASSN.
CORN GROWERS MEETING JULY 17-20 .....JUL 11 P. 35

NATIONAL COTTONSEED PRODUCTS ASSN.
COTTONSEED OFFICERS .....MAY 30 P. 27

NATIONAL EGG CO.
NATIONAL EGG ELECTS .....OCT 24 P. 55
MAKING PLANS .....OCT 31 P. 7
NATIONAL, MIDWEST EGG PACT EXPECTED .....NOV 14 P. 6

NATIONAL FARM-CITY COUNCIL, INC.
WEISEY APPOINTED .....JAN 10 P. 53

NATIONAL FEED INGREDIENTS ASSN.
NFIA MEETING TO BE BRIEFED ON GOVERNMENT RULES .....JAN 03 P. 3
CHECK FOR NFIA .....JAN 31 P. 16
SECTION SPEAKERS SET FOR NFIA MED-YEAR MEETING .....FEB 07 P. 4
NFIA PRODUCES SLIDE/TAPE SHOW ON REVISED GMPS .....FEB 07 P. 9
MEDICATED FEED WORKSHOPS SET BY NFIA, FDA .....FEB 21 P. 5
CONVENTION LEADERS MEET .....MAR 21 P. 49
PHOSPHORUS INFO .....MAR 28 P. 4
LIQUID HANDBOOK NEXT PHASE BEGINS .....APR 18 P. 29
SAC SYMPOSIUM .....MAY 02 P. 16

NFIA SEEKS FEED INDUSTRY AID ON SILAGE GUIDEBOOK .....MAY 02 P. 40
NFIA BACKS NUTRIENT ABSORPTION RESEARCH .....JUN 06 P. 9
FIRMS SPONSOR SILAGE FERMENTATION REVIEW .....JUL 04 P. 20
NFIA FORMS MACRO INGREDIENT SECTION .....AUG 08 P. 38
NFIA CONVENTION PROGRAM READY FOR SEPTEMBER .....AUG 15 P. 2
NFIA SECTION MEETINGS SET FOR CONVENTION .....AUG 29 P. 3
WILL ROGERS, JR., TO ADDRESS NFIA .....SEP 19 P. 4
MACRO INGREDIENT MEETING TOPICS TOLD .....SEP 19 P. 7
RUEDING ELECTED NFIA PRESIDENT .....SEP 26 P. 8
NFIA SCHOLARSHIP WINNERS .....DEC 19 P. 5

NATIONAL FISH MEAL & OIL ASSN.
FISHERIES SYMPOSIUM SET FOR MARCH 16 .....FEB 28 P. 61
LUNSFORD ELECTED .....MAR 21 P. 49

NATIONAL GRAIN & FEED ASSN.
NGFA WILL HOLD ANNUAL CONVENTION MARCH 20-24 .....MAR 14 P. 2
NGFA RE-ELECTS CARGILL'S MIDDENTS .....MAR 28 P. 2
CARTER MISSES NGFA; SAYS HE 'IDENTIFIES' .....MAR 28 P. 65
NGFA APPROVES CHANGES IN TRADE RULES .....APR 04 P. 4
NGFA LAUNCHING EDUCATION PROGRAM .....APR 04 P. 4
NGFA DIRECTORS .....APR 11 P. 44
EPA'S GRAIN DUST PROPOSAL MAY STILL COVER SMALLER ELEVATORS .....OCT 31 P. 1
USDA STAGGERING GRAIN LOAN MATURITY DATES CRITICIZED .....NOV 14 P. 5
TRADE ANGERED BY GRAIN STANDARDS APPOINTEES .....NOV 14 P. 6
ELEVATOR COUNCIL SPEAKER .....DEC 26 P. 8

NATIONAL HAY ASSOCIATION
HAY ASSOCIATION MEETS AGENCIES .....MAY 23 P. 22
HAY ASSOCIATION PLANS CONVENTION .....AUG 01 P. 22
NATIONAL HAY OFFICERS .....SEP 12 P. 20

NATIONAL INSTITUTE OF OILSEED PRODUCTS
OILSEED PRODUCTS OFFICERS .....MAR 14 P. 40

NATIONAL LIVESTOCK FEEDERS ASSN.
NLFA BOARD BACKS MERGER .....JAN 17 P. 4
NLFA MEMBERS OKAY ANCA MERGER .....FEB 21 P. 5
NEW NLFA PRESIDENT .....FEB 28 P. 8

NATIONAL LIVE STOCK & MEAT BOARD
MEAT BOARD RE-ELECTS .....SEP 19 P. 10

NATIONAL PORK PRODUCERS COUNCIL
NPPC SCHEDULES SEMINAR AGENDA FOR PORK CONGRESS .....FEB 07 P. 13
NPPC ALLOTS ALMOST $100,000 TO RESEARCH .....APR 11 P. 19
PORK KING .....JUN 27 P. 12
EFFICIENCY TOPIC OF PORK MEETING .....OCT 10 P. 39

NATIONAL POULTRY IMPROVEMENT ASSN.
STRONGER VOICE IN NPIA SOUGHT BY SOUTHERNERS .....JAN 03 P. 17
NPIP PLANS CONFERENCE .....APR 11 P. 27

NATIONAL RENDERERS ASSN.
NRA SCHEDULES SYMPOSIUM .....JAN 24 P. 38
INTERNATIONAL FAT IN PIG FEEDING SYMPOSIUM SET .....APR 18 P. 5
RENDERERS SLATE SPRING FEED SEMINAR IN JAPAN .....MAY 09 P. 14
RENDERERS, FSA SPONSOR TOUR BY JAPANESE EXPERTS .....JUL 04 P. 20
RENDERERS WILL MEET IN SAN FRANCISCO .....OCT 10 P. 4

NATIONAL SAFETY COUNCIL
RICHARD KATHE NAMED TO SAFETY COUNCIL .....MAY 30 P. 18

NATIONAL SCIENCE FOUNDATION
HOG INTEGRATION REPORT AVAILABLE .....OCT 03 P. 5

NATIONAL SOYBEAN PROCESSORS ASSN.
SOYBEAN PROCESSORS ELECT .....DEC 05 P. 4

NATIONAL TURKEY FEDERATION
TURKEY INDUSTRY SPEAKERS .....JAN 10 P. 37
NTF ELECTS GLEN HARDER AS 1977 PRESIDENT .....JAN 17 P. 6
TURKEY FEDERATION OFFICERS .....JAN 24 P. 5
NTF SPEAKERS .....JAN 31 P. 6
PRESS-CONSUMER EDUCATION FUND .....FEB 07 P. 55
STATE TURKEY QUOTAS .....FEB 14 P. 27
NTF PRESIDENT HARDER INJURED IN COLLISION .....FEB 21 P. 7
NTF TO MEET IN MINNESOTA .....JUN 20 P. 23
NTF ENDS BREEDER PLACEMENT REPORT .....SEP 12 P. 37
NTF ADDS FOOD EXPO TO CONVENTION PLANS .....OCT 03 P. 15
NTF CONTINUES CONSUMER INTERVIEWS .....NOV 07 P. 40
BUTZ TO KEYNOTE NTF CONVENTION; FOOD EXPO SET .....DEC 19 P. 6
CONVENTION SPEAKERS .....DEC 26 P. 7

NEBRASKA GRAIN & FEED DEALERS ASSN.
NEBRASKA AG EXPO SET FOR JANUARY .....JAN 03 P. 4
PROGRAM SET FOR NEBRASKA DEALERS .....JAN 17 P. 38

NEBRASKA LIVESTOCK FEEDERS ASSN.
NEBRASKA FEEDERS OFFICERS .....DEC 12 P. 49

NEBRASKA POULTRY IMPROVEMENT ASSN.
NEBRASKA POULTRY LEADERS .....JAN 03 P. 4

NEBRASKA POULTRY INDUSTRIES, INC.
HALL OF FAME MEMBER .....JAN 03 P. 5
NEBRASKA POULTRY OFFICERS .....DEC 19 P. 26

NEW ENGLAND GRAIN & FEED COUNCIL
NEW ENGLAND FEED MEN TO HEAR CONRAIL'S JORDAN .....JAN 10 P. 9
CONTE TO ADDRESS NEW ENGLAND FEED MEN .....JAN 17 P. 7

NEW YORK STATE POULTRY INDUSTRY COORDINATED EFFORT
BIG E AWARD WINNER .....OCT 10 P. 40

NORTH CAROLINA EGG MARKETING ASSN.
OFFICERS ELECTED .....NOV 28 P. 48

NORTH CAROLINA MUTUAL HATCHERY ASSN.
C. F. PARRISH MEMORIAL SCHOLARSHIP ANNOUNCED .....DEC 26 P. 34

NORTH CAROLINA TURKEY FEDERATION
NORTH CAROLINIANS ELECT .....MAY 23 P. 92

NORTHEASTERN POULTRY PRODUCERS COUNCIL
CRONKITE AT NEPPCO EGG SCHOOL .....JUL 25 P. 6
WHAT'S A HAUGH UNIT? .....AUG 08 P. 16
NEPPCO LISTS WORKSHOP TOPICS .....SEP 19 P. 6
NEPPCO MEMBERS VOTE TO MERGE WITH INSTITUTE .....OCT 03 P. 6

NORTHWEST AGRI-DEALERS ASSN.
DICK POTTER ELECTED .....AUG 01 P. 21

NORTHWEST COUNTRY ELEVATOR ASSN.
TY THAYER ELECTED .....FEB 21 P. 33

NORTHWEST FEED MANUFACTURERS ASSN.
AT NORTHWEST FEED MEETING .....MAY 02 P. 6
NORTHWEST FEEDS SETS JUNE 13 OUTING .....MAY 16 P. 27
GOLF OUTING .....JUN 20 P. 4
LEVIN TO ADDRESS NORTHWEST FEEDS .....SEP 12 P. 6

OHIO EGG AND TURKEY MARKETING PROGRAMS
HOLIDAY GIFT TO THE GOVENOR .....DEC 26 P. 16

OHIO POULTRY ASSN.
SAMPLING TURKEY PRODUCTS .....JAN 03 P. 28
COMMUNICATION AWARD .....MAR 21 P. 22
AWARD WINNERS .....NOV 28 P. 64
GOVENOR PREPARES DESSERT .....DEC 19 P. 7

OKLAHOMA GRAIN & FEED ASSN.
SPEAKERS SET FOR OKLAHOMA FEED .....MAR 21 P. 41

OMAHA FEED CLUB
OMAHA FEED CLUB SETS FIELD DAY .....APR 11 P. 16

OREGON TURKEY IMPROVEMENT ASSN.
PAID THEIR DUES .....JAN 03 P. 10
OREGON TURKEY SPEAKERS .....MAR 07 P. 6

PACIFIC EGG & POULTRY ASSN.
PEPA CONVENTION WILL DEAL WITH INDUSTRY CHANGE .....FEB 14 P. 26
PEPA SCHEDULES SAN DIEGO MEETING TOPICS, SPEAKERS .....FEB 21 P. 7
OUTSTANDING POULTRYMAN .....MAR 28 P. 5
PEPA ADOPTS NATIONAL ISSUES POLICIES .....JUL 04 P. 30

PEPA ANNOUNCES AWARDS CHAIRMEN .....AUG 15 P. 40
PEPA MOVES TO NEW OFFICE BUILDING .....SEP 26 P. 85
PEPA DIRECTORS OPPOSE EGG LIMIT IN SCHOOL LUNCHES, RAIL RATE HIKE .....OCT 24 P. 7
PEPA ANNOUNCES SCHOLARSHIP DRIVE .....DEC 05 P. 18

PENNAG INDUSTRIES ASSN.
PENNAG PLANS GRAIN SEMINAR .....JUN 20 P. 23
PENNAG TO HEAR FEA OFFICIAL .....AUG 22 P. 2
PENNAG OFFICERS .....OCT 03 P. 18

POULTRY BREEDERIS ROUNDTABLE
POULTRY BREEDERS' ROUNDTABLE WILL BE IN KANSAS CITY .....MAR 21 P. 41

POULTRY & EGG INSTITUTE OF AMERICA
PEIA MOVES '78 CONFERENCE .....FEB 14 P. 11
PEIA WILL MOVE TO WASHINGTON .....APR 18 P. 5
PEIA COUNCIL SETS SEMINARS .....MAY 09 P. 32
PEIA FORMS MARKETING COUNCIL .....MAY 09 P. 39
PEIA PLANS MARKETING AIDS FOR FACT-FINDING .....JUN 13 P. 1
PEIA FACT-FINDING SET FOR SEPT. 28-30 .....JUN 20 P. 23
PEIA WILL HONOR PROMOTION EFFORTS AT CONFERENCE .....JUL 25 P. 13
PEIA ANNOUNCES FINAL PROGRAM FOR FACT FINDING .....AUG 22 P. 5
PEIA HONORS MILT CHAMBERLAIN .....OCT 03 P. 54
PEIA ADVERTISING WINNERS ANNOUNCED .....OCT 10 P. 41
PEIA OFFICERS .....OCT 17 P. 5
PEIA SECTION OFFICERS .....OCT 24 P. 55

POULTRY INDUSTRIES OF LOUISIANA, INC.
LOUISIANA OFFICERS .....NOV 07 P. 29

POULTRY SCIENCE ASSN.
POULTRY SCIENTIST HONORED FOR WORK .....AUG 22 P. 50
SHUTZE HONORED FOR POULTRY WORK .....AUG 29 P. 5

PRIVATE TRUCK COUNCIL OF AMERICA
TRUCK SAFETY SEMINAR .....JAN 03 P. 32

ROCKINGHAM POULTRY SERVICEMEN'S ORGANIZATION
ROCKINGHAM POULTRY GROUP .....JAN 03 P. 21
POULTRY OFFICERS .....SEP 12 P. 20

SOUTH CAROLINA EGG BOARD
ALABAMA OFFICIAL NAMED .....NOV 21 P. 39

SOUTH CAROLINA TURKEY FEDERATION
S. C. TURKEY OFFICERS .....DEC 26 P. 17

SOUTHEASTERN POULTRY & EGG ASSN.
POULTRY CONVENTION SPEAKERS .....JAN 03 P. 5
EGG INDUSTRY LEADERS JOIN DUNKING EVENT .....JAN 10 P. 62
DUBOSE ELECTED SEPEA PRESIDENT .....JAN 31 P. 6
SEPEA VICE PRESIDENTS .....FEB 07 P. 48

CONVENTION ADDS $15,000 TO FUND .....FEB 14 P. 5
SEPEA MARKS ATTENDANCE RECORD .....FEB 14 P. 26
SOUTHEASTERN DIRECTORS .....FEB 21 P. 33
SEPEA PLANS MARCH SEMINAR FOR EXECUTIVES .....FEB 28 P. 32
THE MARKETPLACE .....MAR 28 P. 6
PERSONNEL CLINIC PLANS COMPLETED .....MAR 28 P. 48
EXHIBITORS ASK LARGER POULTRY TRADE SHOW .....JUN 06 P. 9
HATCHERY-BREEDER CLINIC SLATED .....JUN 06 P. 17
SOUTHEASTERNS MEET .....JUN 27 P. 1
AT SEPEA MEETING .....JUN 27 P. 4
CLINIC TO FEATURE BREEDER PANEL .....JUL 04 P. 12
SEPEA, AIRLINE OFFER CONVENTION AID .....DEC 19 P. 19

SOUTHEAST POULTRY SCIENCE CLUB
CLUB HONORS ADVISOR .....APR 18 P. 5
POULTRY AWARD GIVEN .....APR 25 P. 19

SOUTHEASTERN PROCESSOR COUNCIL
CLEGG HEADS PROCESSOR COUNCIL .....FEB 07 P. 6

TENNESSEE FEED MANUFACTURERS ASSN.
TENNESSEE FEED MEN .....JAN 17 P. 28
TENNESSEE FEED HEAD .....DEC 19 P. 26

TEXAS BROILER COUNCIL
TEXAS BROILER COUNCIL .....AUG 29 P. 34

TEXAS GRAIN & FEED ASSN.
TEXAS GRAIN, FEED APRIL MEETING PROGRAM SET .....MAR 28 P. 48
TEXANS GATHER .....APR 25 P. 1
HONORARY TEXAS CITIZEN .....APR 25 P. 3
TEXAS ASSOCIATION BECOMES NO. 1 .....APR 25 P. 3
TEXAS GROUP ELECTS .....MAY 02 P. 23

TEXAS POULTRY FEDERATION
TEXAS FEDERATION .....AUG 29 P. 34

TEXTILE BAG MANUFACTURERS ASSN.
BAG MANUFACTURERS .....FEB 21 P. 33

UNITED EGG PRODUCERS
MARKETING, GOVERNMENT RELATIONS TOP UEP BUDGET ITEMS .....JAN 03 P. 17
UEP SEEKS EGGMAN OF YEAR NOMINATIONS .....FEB 07 P. 7
UEP TO MEET IN SAN DIEGO .....FEB 21 P. 18
EGG MAN OF THE YEAR GOES TO AEB'S WALLACE .....MAR 14 P. 6
EGG COMBAT FUND PASSES $100,000 .....MAR 28 P. 5
FUNDS FOR UEP .....JUN 13 P. 7
UEP BOARD HEARS GLOOMY FUTURE, OPPOSES PUERTO RICAN RESTRICTIONS .....JUN 27 P. 7
AGRICULTURAL ECONOMICS STUDENTS GET AWARDS .....SEP 12 P. 15
GOLF TICKETS RAISE $23,500 FOR EGG SUIT .....NOV 28 P. 66
UEP MANAGEMENT CONFERENCE SET FOR PHOENIX .....DEC 05 P. 6

UPPER MIDWEST COUNCIL

UPPER MIDWEST COUNCIL SETS TRADE FORUMS .....AUG 29 P. 2

U.S. AQUACULTURE FEDERATION
AQUACULTURISTS FORM FEDERATION TO AID INDUSTRY .....FEB 07 P. 46

U.S. BREWERS ASSN.
BREWERS! SPEAKERS .....NOV 07 P. 3

U.S. FEED GRAINS COUNCIL
FEED GRAINS CHAIRMAN .....SEP 12 P. 20
SORGHUM FARMERS HOST ASIA EXPORT CUSTOMERS .....OCT 10 P. 26

VALLEY BROILER PRODUCERS ASSN.
VALLEY BROILER ASSN. .....APR 18 P. 18

VIRGINIA AGRIBUSINESS COUNCIL
VIRGINIA OFFICERS .....OCT 10 P. 26

VIRGINIA BROILER PRODUCERS ASSN.
BROILER PRODUCERS .....MAY 02 P. 23
APPLICATOR DEADLINE NEAR .....OCT 10 P. 30

VIRGINIA EGG COUNCIL
VIRGINIA EGGMEN ELECT .....MAY 23 P. 92

VIRGINIA FEED ASSN.
VIRGINIANS SET SPEAKERS FOR 31ST FEED CONVENTION .....FEB 21 P. 5
VIRGINIA FEED ELECTS .....FEB 28 P. 74

VIRGINIA POULTRY FEDERATION
POULTRY GROUPS GIVE $4,000 GRANT TO LAB .....MAY 02 P. 9
VIRGINIA POULTRY OFFICERS .....JUN 06 P. 16
SIGMA DELTA INITIATES .....JUN 06 P. 17
VIRGINIANS SEEK LESS REGULATION .....JUN 13 P. 21
STATE AWARD .....JUN 20 P. 12
SCHOLARSHIP CONTRIBUTION .....OCT 17 P. 4

VIRGINIA PROCESSORS ASSN.
VIRGINIA PROCESSORS ELECT .....MAY 09 P. 42

VIRGINIA TURKEY ASSN.
HEADS TURKEYMEN .....MAY 02 P. 23
VIRGINIA AIDS NTF RESEARCH PROGRAM .....OCT 03 P. 14

WASHINGTON POULTRY INDUSTRY
POULTRYMEN HONORED .....DEC 05 P. 2

WASHINGTON STATE FEED ASSN.
WASHINGTON FEED MEN WILL MEET MARCH 10 .....FEB 07 P. 42
WASHINGTON FEED ASSN. .....NOV 07 P. 29

WATER TRANSPORT ASSOCIATION

BARTA ELECTED .....JAN 17 P. 28

WESTERN EGG CO.
WESTERN, NORTHWEST EGG TO SHARE MANAGER .....NOV 21 P. 19

WEST VIRGINIA FARM SUPPLY ASSN.
PLANNING BEGINS .....OCT 24 P. 7

WEST VIRGINIA POULTRY ASSN.
VIRGINIA POULTRYMEN GIVE $500 DONATION .....MAY 16 P. 23
OFFICERS RE-ELECTED .....OCT 03 P. 18

WHEY PRODUCTS INSTITUTE
ZWANENBERG RE-ELECTED .....MAY 23 P. 92

WISCONSIN FEED, SEED & FARM SUPPLY
WISCONSIN OFFICERS .....AUG 01 P. 21

WORLD MARICULTURE SOCIETY
THREE AQUACULTURE ORGANIZATIONS PLAN ATLANTA MEETINGS .....AUG 29 P. 33

WORLD'S POULTRY SCIENCE ASSN.
VISITING BRAZIL .....MAR 21 P. 11
POULTRY CONGRESS LINEUP .....MAY 02 P. 7
WORLD POULTRY CONGRESS PROGRAM ANNOUNCED .....JUN 13 P. 7
POULTRY ESSAYS DUE FOR WORLD CONTEST .....JUN 20 P. 36
FINISHING FINAL PLANS .....JUL 11 P. 5
POULTRY GROUP SOLICITS WORLD CONGRESS PAPERS .....AUG 08 P. 7
WORLD'S POULTRY CONGRESS PLANNERS .....NOV 14 P. 6
PEIA, WPC LIST TRAVEL PLANS .....NOV 28 P. 66

AUSTRALIA
AUSTRALIA SETS UP DISEASE INFO SYSTEM .....NOV 14 P. 28

AUTHOR

ALLEE, DR. GARY L.
USING DEHYDRATED ALFALFA TO CONTROL INTAKE OF SELF-FED SOWS DURING GESTATION .....FEB 07 P. 20

ALLEN, RICHARD D.
INGREDIENT ANALYSIS TABLE: 1977 EDITION .....JUL 20 P. 31

ALMQUIST, DR. H. J.
SOFT PHOSPHATE IN POULTRY NUTRITION .....JAN 03 P. 23

ANDERSON, WAYNE
FARM SUPPLY DEALER LOOKS AT HOW TO KEEP PACE WITH CHANGE .....DEC 12 P. 22

BABB, E. M.
PREDICTING THE SUCCESS OF GRAIN ELEVATOR MANAGERS .....MAY 30 P. 22

BAUMEL, C. PHILLIP

THE PANAMA CANAL - VITAL LINK FOR U.S. GRAIN EXPORTS .....SEP 19 P. 22

BLAIR, JESS F.
CUSTOM MILLING BECOMES BASIS FOR PANHANDLE COMPANY'S GROWTH .....APR 18 P. 24
PELLETED FEEDS MAKE UP 90% OF TEXAS MILL'S BUSINESS .....MAY 23 P. 68

BLAIR, ROBERT
FEED MANUFACTURING CONFERENCE IN ENGLAND DISCUSSES PRODUCTION, RUMEN FERMENTATION .....APR 11 P. 24
FABA BEANS: AN IMPROVED CROP FOR ANIMAL FEEDING .....JUL 18 P. 15

BRETHOUR, JOHN R.
ALTERNATIVE GRAINS IN FEEDLOT USE .....MAR 07 P. 21

BROKKEN, DR. RAY F.
MONITORING BEEF CATTLE PERFORMANCE FROM FEED INTAKE RECORDS .....OCT 10 P. 23

BROWN, ROBERT H.
GIVING HORSE OWNERS WHAT THEY WANT .....MAY 02 P. 21
FEED IS MAIN COMMODITY FOR FARM SUPPLIER .....AUG 01 P. 18
THE 'ALL-METAL' FEED MILL .....DEC 05 P. 24

CHARRON, E. C.
CHALLENGE OF MAKING AGRICULTURAL DEVELOPMENT PROJECTS IN LESS DEVELOPED COUNTRIES ECONOMICALLY VIABLE .....JAN 17 P. 21

CHEEKE, DR. P. R.
PROGRESS IN DEVELOPMENT OF ALFALFA AS A FEEDSTUFFS FOR NON-RUMINANTS .....FEB 28 P. 48
ADVANCES IN RABBIT NUTRITION RESEARCH .....APR 18 P. 20

CHRISTENSEN, DR. C. M.
SPOILAGE, HEATING, BINBURNING AND FIREBURNING: THEIR NATURE, CAUSE AND PREVENTION IN GRAIN .....OCT 24 P. 39
MOISTURE CONTENT OF CORN .....DEC 12 P. 23

COUCH, DR. J. R.
SUMMARY OF PAPERS FROM THE ANNUAL MEETING OF POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURAL SCIENTISTS .....MAR 07 P. 29
SUMMARY OF PAPERS FROM THE MEETING OF THE POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURAL SCIENTISTS .....MAR 14 P. 36
SUMMARY OF PAPERS FROM THE MEETING OF THE POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURAL SCIENTISTS .....MAR 28 P. 51
REVIEW OF POULTRY NUTRITION, AVIAN BIOCHEMISTRY PRESENTED BEFORE THE 1977 POULTRY SCIENCE ASSN. MEETING .....SEP 19 P. 34
REVIEW OF POULTRY NUTRITION, AVIAN BIOCHEMISTRY PRESENTED BEFORE THE 1977 POULTRY SCIENCE ASSN. MEETING .....SEP 26 P. 7
REVIEW OF NUTRITION PAPERS FROM BREWERS FEED CONFERENCE .....DEC 05 P. 8

CUNHA, DR. T. J.
ANTIBIOTIC USE FOR SWINE SHOULD BE CONTINUED .....MAY 02 P. 19

DAVIES, YVONNE
MARKET POTENTIAL OF DEHYDRATED COASTAL BERMUDA GRASS IN SWINE FEEDS .....JUL 04 P. 13

DAVIS, DR. GEORGE K.
MAGNESIUM IN ANIMAL NUTRITION .....JUN 27 P. 35

DEREVANNY, ALEXANDER M.
THE SOVIET GRAIN CROP OF 1976: NO SIGN THAT OUTPUT IS STABILIZING .....JAN 31 P. 21

EDDLEMAN, B. R.

BENEFITS FROM INVESTMENT IN FOOD AND AGRICULTURAL RESEARCH .....FEB 21 P. 24

EL BOUSHY, A. R.
THE VALUE OF DRIED POULTRY WASTE AS A FEEDSTUFF IN BROILER DIETS .....DEC 12 P. 24

ENG, DR. KENNETH S., JR.
PROTECTED FAT IN RUMINANT DIETS .....NOV 14 P. 18

FOX, DAN G.
A SYSTEM FOR PREDICTING PERFORMANCE OF GROWING AND FINISHING CATTLE .....MAY 30 P. 21
A SYSTEM FOR PREDICTING PERFORMANCE OF GROWING AND FINISHING CATTLE .....JUN 06 P. 20

FREIVALDS, JOHN
GRAIN FOR OIL .....JUL 25 P. 23

GOODRICH, F. D.
FREE CHOICE MINERALS FOR CATTLE FED CALCIUM-ADEQUATE OR CALCIUM-DEFICIENT RATIONS .....JAN 31 P. 20

HALE, DR. O. M.
EFFECT OF CORN QUALITY ON PERFORMANCE OF GROWING-FINISHING SWINE .....JUL 18 P. 22

HAMILTON, D. M.
HANDLING MANURE IN THE DEEP-PIT OR HIGH RISE CAGE LAYING HOUSE .....JAN 24 P. 78

HANSON, WALTER D.
THE COMPUTERIZED FEED MILL .....MAY 16 P. 34

HARMON, B. G.
BIOAVAILABILITY OF PHOSPHORUS IN FEED INGREDIENTS FOR SWINE .....JUN 20 P. 16

HARMS, R. H.
PHOSPHORUS AND LAYING HEN NUTRITION .....JUN 20 P. 18
PHOSPHORUS AND LAYING HEN NUTRITION .....JUN 27 P. 33

HARRIS JR., DR. B.
THE PROBLEM OF MYCOTOXINS IN CATTLE FEEDS .....NOV 07 P. 21

HATFIELD, E. E.
FACTORS AFFECTING VOLUNTARY FEED INTAKE OF GROWING RUMINANTS FED HIGH CONCENTRATE DIETS .....MAY 02 P. 22
ROLE OF NICKEL IN ANIMAL NUTRITION .....JUN 13 P. 24

HERRICK, DR. JOHN B.
CATTLE DISEASE GUIDE .....JUL 20 P. 77

HILL, DR. LOWELL D.
CHANGES IN QUALITY OF GRAIN DURING OVERSEAS SHIPMENT .....MAR 21 P. 31

HILLMAN, DR. D.
NUTRIENT REQUIREMENTS OF DAIRY CATTLE .....JUL 20 P. 47

HUBBELL, CHARLES H.
1977 FEEDSTUFFS ANALYSIS TABLE .....AUG 01 P. 16

HUNER, DR. JAY V.
SOFT SHELL CRAWFISH AS AN AQUACULTURE FOOD PRODUCT .....DEC 05 P. 28

JENSEN, DR. A. H.
NUTRIENT REQUIREMENTS OF SWINE .....JUL 20 P. 41

JENSEN, DR. LEO S.
DIAGNOSING A POULTRY FIELD PROBLEM: THE 'NO-EGG SYNDROME' .....NOV 14 P. 24

JUKES, DR. THOMAS H.
THE DES HEARINGS; WHAT WAS LEARNED .....NOV 21 P. 22

KECK, ROBERT T.
BASIS CONSIDERATIONS IN HEDGING .....MAY 23 P. 38

KENDALL, J. D.
COMEBACK FOR LIQUID FEEDS EYED .....SEP 05 P. 17
A GUIDE TO FEED ADDITIVES USED IN CATTLE, SHEEP PRODUCTION .....OCT 03 P. A10

KLOPFENSTEIN, DR. TERRY
DEHY AS A PROTEIN SOURCE FOR RUMINANTS .....FEB 07 P. 27

KOHLER, G. O.
ADVANTAGES AND CAUTIONS IN WILTING ALFALFA PRIOR TO DEHYDRATION .....FEB 07 P. 29

KOPPERUD, STEVE
SOUTHERN SEVEN: TECHNOLOGY WITH AN EYE ON THE GULF .....MAR 21 P. 28

KORNEGAY, DR. E. T.
ARTIFICIAL SUGAR REPLACERS, WHEY INTENSIFIERS, AROMATIC ATTRACTANTS FOR SWINE STARTER RATIONS .....NOV 21 P. 34

LEIDAHL, ROY
TRAVEL, CLOTHING ARE FAVORITES IN FEED PREMIUM/INCENTIVE PROGRAMS .....SEP 26 P. 28

LEMAN, DR. A. D.
PREVENTIVE MEDICINE IN PORK PRODUCTION .....FEB 28 P. 50

MADSEN, DR. F. C.
DEVELOPMENT OF FEED PREFERENCE IN YOUNG SWINE .....JAN 31 P. 25
VITAMIN K ACTIVE COMPOUNDS USED IN FEEDS .....NOV 07 P. 24

MASON, R. H.
HOW TO RECRUIT QUALITY SALES PERSONNEL .....OCT 31 P. 18
HOW TO INTERVIEW WHEN HIRING SALES PERSONNEL .....NOV 07 P. 18
HOW TO SELECT QUALITY SALES PERSONNEL .....NOV 14 P. 25

MCCULLOUGH, M. E.
SILAGE AND SILAGE FERMENTATION .....MAR 28 P. 49

MCCARL, BRUCE A.
LOCATING GRAIN SUBTERMINALS .....DEC 05 P. 27

MEISKE, J. C.
FREE CHOICE MINERALS FOR CATTLE FED CALCIUM-ADEQUATE OR CALCIUM-DEFICIENT RATIONS .....JAN 31 P. 20

MELLOR, D. B.
REDUCING WASTE LOADS FROM POULTRY PROCESSING PLANTS .....FEB 21 P. 20

MENGERING, ERIC
PRODUCTION DIPS TO MEET NEW DICTATES OF MARKET .....FEB 07 P. 31

MEYERS, DR. SAMUEL P.
USE OF AGRICULTURE WASTES IN AQUACULTURE .....MAR 14 P. 34
USING CRUSTACEAN MEALS AND CAROTENOID-FORTIFIED DIETS .....MAY 09 P. 26
AQUACULTURE IN ISRAEL .....JUN 13 P. 30
MARINE FISH FARMING IN ISRAEL .....AUG 15 P. 23
USE OF SUBSTITUTE PROTEINS IN AQUATIC DIETS .....OCT 31 P. 21

MILLER, DR. E. R.
FORMULATING SWINE, POULTRY RATIONS USING FLASH-DRIED BLOOD MEAL .....APR 18 P. 22

MILLER, DR. W. J.
TOLERANCE LEVELS, TOXICITY OF ESSENTIAL TRACE ELEMENTS FOR LIVESTOCK AND POULTRY .....AUG 29 P. 18
TOLERANCE LEVELS, TOXICITY OF ESSENTIAL TRACE ELEMENTS FOR LIVESTOCK AND POULTRY .....SEP 12 P. 22

MORRISON, DR. S. H.
MORRISON TO END AUTHORING COLUMN .....MAY 02 P. 6

MOSER, DR. BOBBY D.
FEEDING ANIMAL FAT TO GROWING AND FINISHING PIGS .....APR 11 P. 20

NATZ, DARYL
IRRIGATION ACCELERATES GROWTH PACE IN COLORADO .....FEB 14 P. 30
AD/PROMO BUDGETS REBOUND IN '77: BIGGEST GAINS AMONG SMALLER FIRMS .....SEP 26 P. 26

NEATHERY, DR. MILTON W.
TOLERANCE LEVELS, TOXICITY OF ESSENTIAL TRACE ELEMENTS FOR LIVESTOCK AND POULTRY .....AUG 29 P. 18
TOLERANCE LEVELS, TOXICITY OF ESSENTIAL TRACE ELEMENTS FOR LIVESTOCK AND POULTRY .....SEP 12 P. 22

NELSON, AL. P.
TRANSITION FROM HATCHERY TO RETAIL MERCHANDISER BROADENS BUSINESS BASE .....JAN 03 P. 24
WISCONSIN'S OLDEST INDEPENDENT PRODUCER SEES FUTURE IN PARTS, SPECIALTIES .....JAN 10 P. 35
COORDINATED EGG PROGRAM BOOSTS FEED TONNAGE FOR MICHIGAN COOP .....FEB 21 P. 22
BUILDING SALES THROUGH DIVERSIFICATION .....APR 04 P. 24
REVAMPING READING FEED FIRM RESULTS IN $10-MILLION BUSINESS .....APR 25 P. 28
DIVERSIFICATION COUNTS FOR WISCONSIN EGG, DAIRY AND FARMING ENTERPRISE .....JUL 11 P. 19
FEEDER PIG, POULTRY PROGRAMS SPUR FEED BUSINESS AT KLEMME COOPERATIVE .....DEC 19 P. 22

NUVALL, DR. ROBERT F.
MOLDY FEED .....JUL 11 P. 20

OWEN, DR. FOSTER G.
SPECIAL CONSIDERATIONS IN FEEDING THE HIGH PRODUCING DAIRY COW .....AUG 08 P. 20

PERRY, DR. T. W.
NUTRIENT REQUIREMENTS OF GROWING AND FINISHING BEEF CATTLE .....JUL 20 P. 53
HEMICELLULOSE EXTRACT IN CATTLE SUPPLEMENT FORMULATION .....OCT 03 P. 39

PFANDER, DR. W. H.
ALFALFA AS A SUPPLEMENT TO INCREASE FOOD INTAKE AND IMPROVE THE USE OF LOW-GRADE ROUGHAGES .....FEB 07 P. 24

POLIN, D.
25-HYDROXY-D3, VITAMIN D3 AND GRADED LEVELS OF PHOSPHORUS: EFFECT ON EGG PRODUCTION AND SHELL QUALITY .....OCT 24 P. 40

POMEROY, DR. B. S.
POULTRY DISEASE GUIDE .....JUL 20 P. 91

POTTER, DR. L. M.
AMINO ACID REQUIREMENTS FOR TURKEYS .....JAN 10 P. 33

PRESTON, DR. R. L.
TYPICAL COMPOSITION OF FEEDS FOR CATTLE AND SHEEP, 1977-78 .....OCT 03 P. A02

REECE, F. N.
USE OF PARTIAL-HOUSE BROODING AND SOLAR ENERGY IN BROILER HOUSES .....JAN 24 P. 72

RENCKENS, RICHARD C.
THE NEW TAX LAW: WHAT IT MEANS TO AGRIBUSINESS .....JAN 03 P. 22

RINGER, R. K.
25-HYDROXY-D3, VITAMIN D3 AND GRADED LEVELS OF PHOSPHORUS: EFFECT ON EGG PRODUCTION AND SHELL QUALITY .....OCT 24 P. 40

ROGERS, GEORGE B.
MARKETING AND INTEGRATION IN THE POULTRY AND EGG INDUSTRIES .....JUL 04 P. 16

ROY, EWELL P.
TREND CONTINUES TO LARGER EQUIPMENT, PROCESS CONTROL .....AUG 22 P. 34
THE ECONOMIC FEASIBILITY OF ON-FARM PACKAGE FEED CENTERS .....AUG 22 P. 39
SURPLUS-DEFICIT REGIONS FOR BROILERS AND YOUNG CHICKENS .....NOV 07 P. 20

SADWIG, DR. VAYLORD D.
SWINE DISEASE GUIDE .....JUL 20 P. 65

SCHRADER, LEE F.
NEW TOOLS FOR MARKETING RESEARCH: ASSESSING A COMPANY'S POSITION .....DEC 26 P. 19

SCOTT, DR. M. L.
NUTRITIONAL AND BIOCHEMICAL ASPECTS OF SELENIUM IN POULTRY .....MAY 30 P. 19
NUTRIENT REQUIREMENTS OF CHICKENS, TURKEYS .....JUL 20 P. 61
THE ENERGY REQUIREMENTS OF LAYING HENS FOR MAINTENANCE, ACTIVITY AND EGG PRODUCTION .....AUG 08 P. 18

SELL, DR. JERRY L.
RESPONSES OF LAYING HENS TO THE EXTRA-CALORIC EFFECT OF FAT .....APR 25 P. 20

SHERWOOD, DR. D. H.

MODERN BROILER FEEDS AND STRAINS: WHAT TWO DECADES OF IMPROVEMENT HAVE DONE .....JAN 24 P. 70

SIBBALD, DR. I. R.
THE 'TRUE METABOLIZABLE ENERGY' SYSTEM .....OCT 10 P. 21
THE 'TRUE METABOLIZABLE ENERGY' SYSTEM .....OCT 17 P. 23

SMITH, DR. KEITH J.
SOYBEAN MEAL: PRODUCTION, COMPOSITION AND UTILIZATION .....JAN 17 P. 22

STAKE, PAUL E.
TRACE ELEMENT ABSORPTION FACTORS IN ANIMALS .....DEC 19 P. 20

SUMMERS, J. D.
DIETARY SELF-SELECTION BY POULTRY .....MAY 09 P. 21

SYMONDS, BRUCE K.
HOW TO DEVELOP MORE EFFECTIVE SALES TERRITORY MANAGERS .....APR 04 P. 20
A MANAGEMENT INFORMATION SYSTEM MEASURES MARKETING EFFORTS WITH FACTS .....MAY 23 P. 40
HOW TO BUILD A MARKETING PLAN .....SEP 26 P. 31
HOW TO MAKE MARKET RESEARCH WORK HARDER .....OCT 17 P. 20

TAYLOR, DON
THE CHANING WORLD MARKET FOR FEED AND LIVESTOCK .....JUL 25 P. 19

TUNKS, FRED E.
AGRICULTURAL RESEARCH FUNDING GAINS GROUND FROM WORLD FOOD ATTENTION .....MAR 14 P. 24
FINANCIAL STRESS ON THE FARM .....AUG 29 P. 21
MAJOR CREDIT PROBLEM BUILDING .....SEP 05 P. 32
GETTING CREDIT FOR THAT HIGH-PRICED LAND .....SEP 12 P. 30
PAYING OFF THE FARM DEBT .....SEP 19 P. 20
JEROME FOODS: COMMITTED TO DOING WHAT IT DOES BEST .....OCT 31 P. 20

ULLREY, DR. D. E.
SELENIUM FOR RUMINANTS AND SWINE .....JUN 06 P. 18

VINCI, C. A.
AIR QUALITY, ENERGY USE CALL FOR PRODUCTION CHANGES .....FEB 07 P. 31

VOLCANI, DR. R.
ESTIMATION OF ENERGY CONTENT OF LIQUID WHEY FROM ITS DRY MATTER AND LACTOSE CONTENTS .....MAY 09 P. 28

WARD, GERALD M.
POTENTIAL FEEDING VALUE OF CROP RESIDUES IN THE U.S. .....AUG 15 P. 22

WILLS, WALTER J.
GRAIN ELEVATOR NOISE CONTROL .....AUG 22 P. 38

WILSON, WILBOR O.
LIGHTING PROGRAMS FOR POULTRY .....FEB 14 P. 39
SPACE ALLOTMENTS FOR POULTRY .....APR 04 P. 22

YACOWITZ, DR. H.

WHAT IS A 'NORMAL' CHOLESTEROL LEVEL IN HUMANS? .....FEB 14 P. 42

BAG HANDLING
GAIN EXPECTED IN USE OF PLASTIC SHIPPING SACKS .....MAY 23 P. 70

BARLEY
MONTANA STUDIES BARLEYS FOR HOGS .....JAN 24 P. 32

BEEF MARKETING
BEEF COUNCIL LAUNCHES BEEF PROMO PROGRAM .....JAN 24 P. 37
SWING FROM CARCASS TO BOXED BEEF FELT IN CATTLE, FEED INGREDIENT MARKETS .....FEB 07 P. 2
WAYS TO MODIFY BEEF CYCLE MAY BE OUTGROWTH OF BEEF CHECK-OFF PLAN .....FEB 28 P. 29
THE MARKETPLACE .....MAR 07 P. 10
THE MARKETPLACE .....APR 04 P. 10
TENTATIVE DATES SET FOR BEEF REFERENDUM VOTE .....APR 25 P. 4
RETAIL PRICE OF BEEF OFF SLIGHTLY .....APR 25 P. 5
USDA CONFIRMS CATTLE SIGN-UP .....MAY 16 P. 72
BEEF PRICES UP FROM MID-APRIL .....MAY 23 P. 128
SEARS USES BEEF TO SELL APPLIANCES .....JUN 27 P. 42
SIX-CENT SAVINGS SEEN WITH WAREHOUSE-CUT BEEF .....AUG 22 P. 17
MAKING A PLAY FOR BEEF .....SEP 12 P. 44
INADEQUATE FINANCING, IOWA DROUGHT COMBINE TO STOP BEEF MARKETING EFFORD .....OCT 24 P. 12
PACKER-PROCESSOR CONTRACT SHOWS NEW GROUND BEEF PRODUCTION TREND .....DEC 05 P. 1

BENTONITE
BENTONITE RESERVE TO BE DEVELOPED .....OCT 24 P. 51

BERMUDA GRASS
MARKET POTENTIAL OF DEHYDRATED COASTAL BERMUDA GRASS IN SWINE FEEDS .....JUL 04 P. 13

BOOKS & PUBLICATIONS
AGRICULTURAL STATISTICS, 1976 .....JAN 10 P. 47
INTERNATIONAL SYMPOSIUM ON PROTEIN METABOLISM AND NUTRITION .....JAN 10 P. 47
MEAT AND THE VEGETARIAN CONCEPT .....JAN 10 P. 47
BEYOND THE FURROW .....JAN 17 P. 31
SMALL FARM GRAIN STORAGE .....JAN 17 P. 31
"PROTEIN EFFICIENCY IN CANADA" BY DR. GEORGE R. WINTER .....FEB 07 P. 43
CORN MANAGEMENT RESEARCH 1976 .....FEB 28 P. 62
GRAINS: PRODUCTION, PROCESSING, MARKETING .....FEB 28 P. 62
MARKETING FARM PRODUCTS .....FEB 28 P. 62
NUTRIENT REQUIREMENTS AND COMPUTERIZATION OF ANIMAL DIETS .....FEB 28 P. 62
SUPPLIERS OF COTTONSEED FEED PRODUCTS .....FEB 28 P. 62
CONNECTICUT AGRICULTURAL EXPERIEMENT STATION HISTORY .....MAR 14 P. 23
KANSAS OFFICIAL DIRECTORY .....MAR 14 P. 23
THE MAIZE CROP AS A BASIC FEED FOR BEEF PRODUCTION .....MAR 14 P. 23
SWINE MANAGEMENT HANDBOOK .....MAR 14 P. 23
NUTRITION AND THE CLIMATIC ENVIRONMENT .....MAR 21 P. 53
TROPICAL FEEDS .....MAR 21 P. 53
TROPICAL STORED PRODUCTS INFORMATION .....MAR 21 P. 53
INDIAN POULTRY INDUSTRY YEARBOOK .....APR 11 P. 29
RABBITS - AN ALBERS PLAN FOR RAISING RABBITS .....APR 11 P. 29
CASH-FUTURE PRICE RELATIONSHIPS AS GUIDES TO GRAIN MARKETING .....APR 18 P. 30

INDEX OF CURRENT RESEARCH ON PIGS XXIII .....APR 18 P. 30
SYMPOSIUM ON MAGNESIUM IN RUMINANT NUTRITION .....APR 18 P. 30
U.S. DEPARTMENT OF AGRICULTURE STANDARDS FOR FOOD AND FARM PRODUCTS .....APR 18 P. 30
WORLD FOOD CONFERENCE OF 1976 .....APR 18 P. 30
BEEF CATTLE .....MAY 16 P. 30
GUIDE FOR U.S. CATTLE EXPORTERS .....MAY 16 P. 30
MARKETING ALTERNATIVES FOR AGRICULTURE .....MAY 16 P. 30
WORLD FOOD PROBLEM AND U.S. FOOD POLITICS AND POLICIES .....MAY 16 P. 30
ABSTRACTS ON FOOD, FERTILIZER & AGRICULTURAL RESIDUES .....MAY 23 P. 102
REGIONAL AGGREGATE ECONOMIC IMPACTS FROM ALTERNATIVE FUTURES FOR U.S. AGRICULTURE .....MAY 23 P. 102
ANATOMY OF THE WORLD DRUG GIANTS .....JUL 04 P. 19
BIBLIOGRAPHY ON THE BIOLOGY AND PRODUCTION OF TURKEYS .....JUL 04 P. 19
POULTRY NUTRITION HANDBOOK .....JUL 18 P. 23
AMERICAN COOPERATION .....JUL 18 P. 23
SURVEY OF THE U.S. VITAMIN INDUSTRY, 1977 .....JUL 18 P. 23
PUBLICATION LIST - TROPICAL PRODUCTS INSTITUTE .....JUL 25 P. 64
LIVESTOCK VETERINARY HEALTH SERVICE .....JUL 25 P. 64
FEDERAL REGULATIONS FOR PRIVATE TRUCK OPERATIONS .....AUG 29 P. 17
1976 STATISTICAL ANNUAL .....AUG 29 P. 17
PET NUTRITION .....SEP 12 P. 37
ANIMAL SANITATION AND DISEASE PREVENTION .....SEP 26 P. 54
DIMENSIONS OF WORLD FOOD PROBLEMS .....SEP 26 P. 58
LIVESTOCK FEEDS AND FEEDING .....OCT 17 P. 39
INTERNATIONAL GRAIN & FEED MARKETS FORECAST AND STATISTICAL DIGEST .....NOV 14 P. 35
ECONOMICS FOR AGRICULTURALISTS .....NOV 14 P. 35
THE CHOLESTEROL HUMBUG .....NOV 14 P. 35
ACTUALLY, HOG IS MAN'S BEST FRIEND .....DEC 12 P. 27
NUTRITION AND CLIMATIC ENVIRONMENT .....DEC 12 P. 27
ANALYSIS OF RESPONSE IN CROP AND LIVESTOCK NUTRITION .....DEC 12 P. 27
SOLAR ENERGY: THE PROCEEDINGS OF THE UNESCO/WMO SYMPOSIUM .....DEC 12 P. 27
POSITION PAPER ON PRIVATE TRUCK FUEL EFFICIENCIES AND PRIVATE LINE .....DEC 12 P. 27
THE 1977 HANDBOOK OF AGRICULTURAL CHARTS .....DEC 12 P. 27
EVALUATION AND USING PERFORMANCE RECORDS OF BOARS AT CENTRAL TESTING STATIONS .....DEC 12 P. 27

BOTTOM LINE OF RESEARCH
SWINE NUTRITION .....OCT 17 P. 19
SYNTHETIC FATTY ALCOHOLS .....OCT 24 P. 46
COST OF GAIN .....OCT 24 P. 46
NUTRITIONAL CONTROL OF MILK FEVER .....OCT 31 P. 17
COMPLETE BLENDED RATIONS .....OCT 31 P. 17
CAUTION ON LOW PHOSPHORUS RECOMMENDATIONS FOR LAYING, BREEDING HENS .....NOV 07 P. 32
ACCEPTANCE, USE BY SWINE OF AFLATOXIN-CONTAMINATED CORN TREATED WITH AQUEOUS OR GASEOUS AMMONIA .....NOV 14 P. 34
EFFECT OF DIETARY COOPER AND TYLOSIN .....NOV 14 P. 34
ARGININE AND ITS RELATIONSHIP TO THE ANTIBIOTIC GROWTH RESPONSE IN SWINE .....NOV 14 P. 34
CORN GLUTEN MEAL AS A SOURCE OF SUPPLEMENTAL PROTEIN FOR GROWING CATTLE .....NOV 21 P. 18
COSTS INVOLVED IN GRAI PROCESSING FOR BEEF CATTLE .....NOV 21 P. 18
ERRECTS OF LONG TERM FEEDING PROTECTED LIPIDS ON MILK AND TISSUE COMPOSITION .....NOV 28 P. 46
FEEDING UNSATURATED FAT CHANGES FATTY ACID COMPOSITION OF MILK FAT .....NOV 28 P. 46
MILK COMPOSITION AFFECTED BY NUTRITION .....NOV 28 P. 46
ALTERNATIVE FEED INGREDIENTS .....DEC 05 P. 19
BACTERIAL SINGLE CELL PROTEIN FOR YOUNG PIGS .....DEC 12 P. 28
INFLUENCE OF SAPONINS ON ALFALFA UTILIZATION .....DEC 12 P. 28

GESTATIONS METABOLIZABLE ENERGY LEVELS FOR SOWS .....DEC 12 P. 28
SEQUESTERED TRACE MINERALS FOR RUMINANTS .....DEC 19 P. 27
FREE CHOICE MINERALS FOR DAIRY COWS .....DEC 26 P. 47

BREEDING
SPECIALISTS STRESS PLANNING, EGG SHELL QUALITY .....JUL 25 P. 12

BREWERS DRIED GRAINS
DRIED BREWERY SOLUBLES SUPPLEMENT VALUE MEASURED .....MAR 07 P. 12
REVIEW OF NUTRITION PAPERS FROM BREWERS FEED CONFERENCE .....DEC 05 P. 8
REVIEW OF NUTRITION PAPERS FROM BREWERS FEED CONFERENCE .....DEC 12 P. 8

BROILER HEALTH
TEXAS RESEARCHER REPORTS ON IBD, IBH INFLUENCES .....JAN 03 P. 5
BROILER RESPIRATORY PROBLEMS, TURKEY FOOT LESIONS STUDIED .....APR 04 P. 12

BROILER INDUSTRY
CONTROLLING COSTS, ACCELERATING CONSUMPTION DOMINATE SEPEA .....JAN 31 P. 1
WORLD POULTRY MEAT OUTPUT RISE OF 3-4% FORESEEN, USDA REPORTS .....FEB 28 P. 32
'77 BROILER OUTPUT SEEN UP; PRICES EXPECTED TO SHOW MORE WEAKNESS AHEAD .....MAR 07 P. 7
MORE EGGS, BROILER IN STORE; LEVEL TURKEY CROP FORESEEN .....MAR 21 P. 11
FOURTH QUARTER BROILER OUTLOOK 'TIED TO WEATHER' .....MAR 28 P. 1
NORTH CAROLINA BROILER INDUSTRY GROWTH PREDICTED .....APR 04 P. 12
RISING BROILER PRODUCTION COSTS HURT, INDUSTRY REPORTS .....APR 18 P. 1
THE MARKETPLACE .....APR 18 P. 10
BROILERMEN WORRYING MORE ABOUT FUEL, FEED COSTS .....MAY 23 P. 27
CANADIAN CABINET APPROVES PLAN FOR BROILER AGENCY .....JUN 27 P. 7
MARKETING AND INTEGRATION IN THE POULTRY AND EGG INDUSTRIES .....JUL 04 P. 16
CANADIAN AG MINISTER SAYS BROILER AGENCY BEST CONTROL .....JUL 11 P. 17
BROILER MARKET PHONE LINE OPENS .....JUL 18 P. 4
GEORGIA PROCESSORS SET BROILER RECORDS .....JUL 25 P. 7
NINE BROILER FIRMS PROPOSE ANTITRUST SETTLEMENT .....AUG 01 P. 6
BROILER CONSULTANT SEES RETURN TO PROFITABILITY WITH LOWER FEED PRICES .....AUG 15 P. 6
OFFICIAL PREDICTS MORE USE OF BROILERS, STEADY USE OF EGGS .....AUG 29 P. 5
BROILER INDUSTRY CAN EXPECT MORE GROWTH IN U.S., EXPORT MARKETS .....OCT 10 P. 7
SURPLUS-DEFICIT REGIONS FOR BROILERS AND YOUNG CHICKENS .....NOV 07 P. 20
BROILER INDUSTRY OBSERVERS SEE MIXED PICTURE FOR 1978 .....DEC 19 P. 7
MORE EFFICIENCY, HEAVIER BIRDS KEYS TO COST PRESSURE IN BROILERS .....DEC 19 P. 7

BROILER MANAGEMENT
STORAGE TIME AFFECTS HATCH, CHICK QUALITY, GAIN RATE, STUDY SHOWS .....JAN 10 P. 29
BROILER HOUSE VENTILATION, HEAT CONTROL CALLED IMPORTANT .....JAN 10 P. 30
HEAT STRESS STUDY NOTES GLANDULAR EFFECTS .....JAN 10 P. 30
MANAGERS TOLD IMPORTANCE OF HATCHERY SANITATION .....JAN 10 P. 43
PROBLEMS WITH BROILER VACCINATION SCHEDULES NOTED .....JAN 17 P. 16
USE OF PARTIAL-HOUSE BROODING AND SOLAR ENERGY IN BROILER HOUSES .....JAN 24 P. 72
OVER-VENTILATION OF BROILER HOUSES COSTLY: ENGINEER .....FEB 07 P. 17
GEORGIA SCIENTISTS STUDY BROILER FEEDING PROGRAM, OFFER COMPUTER BUDGETING .....FEB 14 P. 27
LIGHTING PROGRAMS FOR POULTRY .....FEB 14 P. 39
SCIENTISTS STUDY BROILER REACTIONS TO LIGHT, FEED .....MAR 21 P. 21
SPACE ALLOTMENTS FOR POULTRY .....APR 04 P. 22
WIDER BROILER HOUSE CUTS PRODUCER'S WINTER HEAT BILL .....JUN 13 P. 20

BROILER HOUSE TEST CUTS FUEL REQUIREMENTS BY 90% .....JUL 11 P. 16
STUDY SHOWS INTERMITTENT LIGHTING MAY HELP BROILERS .....JUL 25 P. 12
TEST: DELAY IN INCUBATOR MAY HELP BROILER CHICKS .....OCT 24 P. 14
VENTILATIONS HELPS CHICKS; LIMITED USE SAVES ENERGY .....NOV 14 P. 16
PREPARATION FOR CHICKS TERMED KEY TO SUCCESS .....NOV 21 P. 12
WORKERS DISCUSS BROILER CAGES, LOADING METHODS .....NOV 28 P. 11
SCIENTIST LISTS STEPS TO REDUCE FULL CROP .....DEC 05 P. 18
BROILERS FOUND TO PERFORM BETTER UNDER LOW LIGHT .....DEC 19 P. 19

BROILER MARKETING
FURTHER PROCESSED CHICKEN: HOW FAR WILL THE TREND CONTINUE? .....JAN 24 P. 1
HILLCREST MOVING INTO HIGH GEAR WITH PURE 1 BRAND .....JAN 24 P. 1
THE MARKETPLACE .....MAR 14 P. 10

BROILER NUMBERS
DECEMBER EGG PRODUCTION, LAYER TOTAL UP FROM '75 .....JAN 31 P. 6
JANUARY EGG LAYINGS OFF 1%; CHICK PLACEMENTS UP 5%; TURKEY HATCH UP 2% .....FEB 28 P. 11
EGG PRODUCTION DROPS 5% AS LAYER NUMBERS DECLINE IN FEBRUARY .....MAR 21 P. 11
USDA REPORTS JANUARY 1 REVISED POULTRY FIGURES .....APR 11 P. 6
LAYING FLOCK OFF 1% APRIL 1; BROILER-CHICK HATCH UP 4% .....APR 25 P. 5
USDA REPORTS COMBINED U.S. POULTRY INCOME OF $7.1 BILLION IN 1976 .....APR 25 P. 7
BROILERS SHOULD LEAD PARADE OF INCREASED WORLD POULTRY MEAT OUTPUT IN '77: USDA .....MAY 09 P. 5
EGG-TYPE CHICK HATCH UP 7%, BROILERS UP 4% .....MAY 23 P. 11
EGG OUTPUT UP SLIGHTLY; BROILER, TURKEY HATCHES UP .....JUN 27 P. 3
USDA: LAYERS, TURKEYS DOWN, BROILERS UP IN JUNE .....JUL 25 P. 6
USDA: TURKEYS NEAR RECORD; EGGS AND CHICKENS DECREASE .....AUG 29 P. 5
TURKEY, BROILER SETTINGS UP, EGG PRODUCTION DECREASES .....SEP 26 P. 6
EGG OUTPUT, BROILER, TURKEY HATCHES UP .....OCT 24 P. 6
EGG PRODUCTION, BROILER, TURKEY HATCH UP IN OCTOBER .....NOV 21 P. 4
EGG OUTPUT UP 4% IN NOVEMBER; BROILER HATCH UP 5%, POULTS OFF 2% .....DEC 26 P. 6

BROILER NUTRITION
MODERN BROILER FEEDS AND STRAINS: WHAT TWO DECADES OF IMPROVEMENT HAVE DONE .....JAN 24 P. 70
SUMMARY OF PAPERS FROM THE ANNUAL MEETING OF POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURAL SCIENTISTS .....MAR 07 P. 29
AUSTRALIAN TESTS SHOW CHICK PHOSPHORUS NEEDS .....MAR 14 P. 17
BROILER DIET SUPPLEMENTATION TESTS REPORTED BY AUSTRALIAN .....MAR 28 P. 21
SUMMARY OF PAPERS FROM THE MEETING OF THE POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURAL SCIENTISTS .....MAR 28 P. 51
ENERGY NEEDS COMPLICATE FEED MAKING, DISTILLERS TOLD .....MAY 02 P. 7
TEST RATIONS REDUCE FEED INTAKE, IMPROVE BROILER COLOR .....SEP 19 P. 14
THE VALUE OF DRIED POULTRY WASTE AS A FEEDSTUFF IN BROILER DIETS .....DEC 12 P. 24

BROILER PROCESSING
CHILLER WATER INPUT COULD BE DECREASED SUBSTANTIALLY: BIRGINIAN .....FEB 07 P. 6
REDUCING WASTE LOADS FROM POULTRY PROCESSING PLANTS .....FEB 21 P. 20
CHILLER SYSTEM WATER REDUCTION SAVINGS CITED .....MAY 30 P. 18
USDA TO SEEK COMMENTS ON REWASHING CONTAMINATED POULTRY .....AUG 08 P. 6
RESEARCH SHOWS CO2 EFFECTIVE IN BROILER STORAGE .....AUG 08 P. 17
USDA TO OFFER NEW BROILER WASHING METHOD .....AUG 29 P. 34
USDA 'LINE SPEED' PROPOSAL COULD REDUCE BROILER PLANT OUTPUT, HIKE COSTS: SURVEY .....OCT 31 P. 6

BUSINESS MANAGEMENT
EMPLOYEE STOCK OWNERSHIP PLANS .....JUN 20 P. 20

BUYERS GUIDE
BUYERS GUIDE .....JUL 20 P. 134

BYPRODUCTS
RESEARCHERS SAY HATCHERY WASTES USEFUL, FIND PROCESSING COST STUDIES NEEDED .....JUN 20 P. 7

CAGES
MOST PROFIT GAINED WITH FEWER BIRDS, GOOD SPACING .....MAY 23 P. 89
ADVISORY OFFERS TIPS ON LAYER CAGE CAPACITIES .....JUL 04 P. 12
REVERSE CAGES CAN REDUCE EGG BREAKAGE .....JUL 18 P. 13
WORKERS DISCUSS BROILER CAGES, LOADING METHODS .....NOV 28 P. 11

CANADA
CANADA'S GRAIN, OILSEED OUTPUT SEEN DOWN; UGG .....JUL 11 P. 3
POULTRY OUTPUT, USE AND IMPORTS RISE IN CANADA .....AUG 15 P. 26
CANADIAN EGG PRICES CUT BY FORMULA REVISION .....AUG 22 P. 50
CANADIAN AG TRADE UP; LOW PRICES REDUCE BALANCE .....SEP 12 P. 7
DELAY LIKELY FOR CANADIAN CHICKEN AGENCY .....SEP 12 P. 45
CANADIAN EGG EXPORTS TO U.S. OK'D .....SEP 26 P. 6
POULTRY OUTPUT IN CANADA TOTALS 1 BILLION POUNDS .....OCT 31 P. 15
CANADA REDESIGNS AGRICULTURE DEPARTMENT .....OCT 31 P. 32
CANADA LAUNCHES THREE GOVERNMENT ASSISTED GRAIN STORAGE PROGRAMS .....OCT 31 P. 34
LOW HOG PRICE, HIGH CALF DEMAND EXPECTED IN CANADA .....DEC 19 P. 16
CANADA FORESEES DROP IN NET FARM INCOME FOR THIRD CONSECUTIVE YEAR .....DEC 26 P. 5

CATTLE HEALTH
GROWING PRACTICE OF VETS CONSULTING CATTLEMEN NOTED .....MAR 07 P. 32
PSEUDORABIES IS ALSO THREAT TO CATTLE, VET SAYS .....MAY 02 P. 6
TEXAS MAY SEE EAR TICK INFLUX .....JUL 11 P. 4
CATTLE DISEASE GUIDE .....JUL 20 P. 77
CATTLE SCABIES CASES CONFIRMED .....JUL 25 P. 77
IOWA CATTLEMEN SEE PSEUDORABIES AS GROWING THREAT .....AUG 08 P. 12
CALVES FED INTRAVENOUSLY AS WAY TO FIGHT DIARRHEA .....AUG 22 P. 14
WAY DEVISED TO SEPARATE HEALTH FROM ILL LIVESTOCK .....SEP 12 P. 16

CATTLE HEALTH-DAIRY
ENVIRONMENTAL FACTORS IN BOVINE MASTITIS OUTLINED .....JUN 20 P. 14
SCIENTISTS DETAIL CLINICAL MASTITIS CONTROL DIFFICULTY .....OCT 24 P. 13

CATTLE INDUSTRY
A "YES" VOTE .....FEB 21 P. 39
1977 MAJOR MEAT MARKETS' PRODUCTION UNCHANGED .....MAR 28 P. 19
WASHINGTON STATE CATTLE GRAZING, WHEAT AREAS AFFECTED BY DROUGHT .....APR 18 P. 53
OUTPUT INDEXES FOR MOST MEAT ANIMALS UP IN '76; BUT SHEEP MARKETINGS FELL .....MAY 02 P. 6
COLORADO AG INCOME TO FALL 17% IN '77 .....MAY 23 P. 112
COST OF GAIN FOR CATTLE DECLINED IN LATEST MONTH .....JUL 18 P. 6
BEEF CHECKOFF FAILS TO MUSTER TWO-THIRDS 'YES' .....JUL 25 P. 1
WORLDWIDE RED MEAT OUTPUT UP 2% IN '76, BUT PORT OFF; BEEF, VEAL RISE 5% .....AUG 29 P. 3
SOUTHEAST CATTLE MOVEMENT TO MARKETS SPUR CONCERN FOR FEEDER SUPPLIES NEXT SPRING .....OCT 10 P. 4
SBA STALLS ON DEFINITIONS .....NOV 21 P. 39
THE MARKETPLACE .....DEC 05 P. 10

COW-CALF PRODUCERS ONLY SEGMENT EXPECTING MUCH HIGHER PROFITS IN '78 .....DEC 12 P. 4

CATTLE INDUSTRY-BEEF
TEXAS CATTLEMEN EXPECT PROSPECTS TO SHOW SOME IMPROVEMENT IN '77 .....JAN 03 P. 20
'77 BEEF OUTPUT OFF SLIGHTLY; PRICES MAY CLIMB: FINNEY .....JAN 10 P. 26
THE MARKETPLACE .....JAN 17 P. 8
NOVEMBER PLACEMENTS: FLUKE OR TREND? .....JAN 17 P. 18
ANIMALS PUT ON FEED, FED OUT LIGHTER IN DECEMBER .....JAN 24 P. 8
FED CATTLE PRICES TIED TO WEATHER .....JAN 31 P. 1
CALL MADE FOR MORE COOPERATION AMONG LIVESTOCK PRODUCERS, PACKERS, RETAILERS .....FEB 07 P. 5
ANCA'S FINNEY CALLS FOR COOPERATION AS ECONOMIC CLIMATE IMPROVES FOR CATTLEMEN .....FEB 07 P. 7
WEATHER MUST IMPROVE OR CATTLE SELL-OFF TO CONTINUE .....FEB 07 P. 7
USDA SAYS PROPOSED BEEF BOARD JUSTIFIED .....FEB 07 P. 16
WEATHER, FORAGE SUPPLIES PRIMARY MEAT FACTORS .....FEB 14 P. 2
LIGHTER WEIGHT CATTLE CAN EASE OVERSUPPLY: FARR .....FEB 14 P. 4
SENATE COMMITTEE STATEMENTS CALLED INSULTS BY FINNEY .....FEB 14 P. 4
THE MARKETPLACE .....FEB 14 P. 12
PUBLIC MARKETS DOMINATE CALVES FOR SLAUGHTER .....FEB 14 P. 23
1977 MAY BE TURNAROUND FOR FED CATTLE, FEEDLOT PROFITS .....FEB 21 P. 1
CATTLE PERFORM WELL IN JANUARY DESPITE WEATHER .....FEB 21 P. 4
CATTLEMEN MAY REAP SOME BENEFITS FROM ADVERSITY .....FEB 21 P. 5
MORE CATTLE PUT ON WHEAT FIELDS OF NEW MEXICO .....FEB 21 P. 14
ANCA PREDICTS 9 MILLION HEAD OF COWS WILL BE KILLED IN 1977 .....MAR 07 P. 5
RED MEAT-HEALTH HEARING DATE MOVED .....MAR 07 P. 12
FEBRUARY COST OF GAIN DROPS BELOW JANUARY .....MAR 21 P. 10
CATTLEMEN DEFEND GRAIN FEEDING TO SENATE .....MAR 28 P. 4
CONSULTANT CALLS FOR BULLS BRED TO 'SPECIFICATION' .....APR 04 P. 16
THE MARKETPLACE .....APR 18 P. 10
CATTLEMEN PROTEST CARTER'S MEATLESS FOOD DAY MEAL .....APR 25 P. 4
COST OF GAIN GOES UP SLIGHTLY IN MARCH .....APR 25 P. 4
FEED RATIONS, PEOPLE REFLECT TWO OF DOMINANT CHANGES .....MAY 09 P. 1
SECOND HALF '77 PROFITS SEEN FOR BEEF INDUSTRY .....MAY 09 P. 20
SETBACK IN BEEF PRICES MAY BE SHORT .....MAY 16 P. 1
POLITICS AND ECONOMICS - THEY BECOME INSEPARABLE .....MAY 16 P. 4
SHRINKING MARGINS MAIN TOPIC OF ARIZONA CATTLEMEN .....MAY 16 P. 4
CATTLE FINISHED AT LIGHTER WEIGHTS IN APRIL .....MAY 23 P. 8
CATTLEMEN PAYING MORE ATTENTION TO MARKETING .....MAY 23 P. 8
FEED INDUSTRY MAY FACE NEW BEEF MARKET, CATTLEMAN TELLS AFMA .....MAY 30 P. 1
MANAGEMENT FACTORS MERGE ANIMAL, PLANTS .....MAY 30 P. 4
FEEDLOT OCCUPANCY RATE REBOUND STILL AWAITED .....MAY 30 P. 14
CATTLE PEOPLE MAY FACE TWO DECADES OF FOOD ABUNDANCE .....JUN 06 P. 3
HIGHER MEAT PRICES LIKELY IN SECOND HALF AS BEEF SUPPLIES BECOME SMALLER .....JUN 13 P. 1
COW KILL TOPS HISTORICAL LEVELS; TRAILS LAST YEAR .....JUN 13 P. 4
PERFORMANCE OF HEIFERS, STEERS IMPROVES IN MAY .....JUN 20 P. 4
BEEF REFERENDUM REGISTRATION LIGHT .....JUN 20 P. 33
NEW BEEF GRADES MEAN ACCURATE PRICING: USDA .....JUN 27 P. 42
300,000 CATTLEMEN, 16% OF TOTAL, SIGN UP FOR REFERENDUM .....JUL 04 P. 3
NEW GRAZING RULES PROPOSED .....JUL 04 P. 3
TEXAS CATTLEMAN BELIEVES DAYS OF BIG PROFITS ARE LONG GONE .....JUL 11 P. 4
THE MARKETPLACE .....JUL 11 P. 8
FIRST HALF COW KILL TRAILS '76 BY 7%: ANCA .....JUL 25 P. 17
THE MARKETPLACE .....AUG 01 P. 8

IOWA BEEF MAKES PACT WITH NORTHWEST FEEDLOTS; P&SA CLOSELY WATCHES AGREEMENT .....AUG 03 P. 3
LEVEL CONSUMPTION, SOME RETAIL PRICE HIKES SEEN IN '77 FOR RED MEAT, BROILERS; USDA .....AUG 08 P. 4
THE MARKETPLACE .....AUG 08 P. 10
NEW MEXICO CATTLE FEEDING DECLINES, FEED MAN SAYS .....AUG 15 P. 40
JULY COST OF GAIN DROPS AGAIN FROM JUNE LEVEL .....AUG 22 P. 3
CATTLE OUTLOOK PERKS UP WITH AMPLE INGREDIENTS, FEWER FEEDERS .....SEP 12 P. 1
SOUTHWEST CATTLE PRICES CURRENTLY IN STATIC PERIOD .....SEP 12 P. 3
THOUGH SOME FEEDERS MAKE MONEY, DROPOFF SEEN SOON .....SEP 12 P. 17
COST OF GAIN DROPS AGAIN IN LATEST MONTH .....SEP 19 P. 4
TEXAS CATTLE FEEDER SAYS SOME PROFIT POSSIBLE WITH LOW FEED PRICES .....OCT 03 P. 5
USDA LOOKS AT BEEF INDUSTRY INTEGRATION WITHIN CO-OPS .....OCT 03 P. 18
USDA: TOTAL MEAT SUPPLIES LIKELY LARGE NEXT YEAR .....OCT 10 P. 5
HIGHER CATTLE, LOWER POULTRY, PORK PRICES SEEN .....OCT 17 P. 1
SEPTEMBER COST OF GAIN MAINTAINS DOWNWARD SLIDE .....OCT 17 P. 5
TEXAS CATTLE FEEDERS HEAR NEED FOR MORE FINANCE SOPHISTICATION .....NOV 07 P. 1
CATTLEMEN'S GROUP WILL LEAD BEEF REFERENDUM EFFORT .....NOV 07 P. 5
COST OF GAIN STAYS DOWN; RATION COST INCREASES .....NOV 21 P. 4
MIX IN RED MEAT OUTPUT TO CHANGE NEXT YEAR .....NOV 28 P. 18
MANITOBA REPORTS MORE FEEDLOTS FOR SMALL HERDS .....DEC 05 P. 15
LESS BEEF, MORE PORK, POULTRY FORESEEN .....DEC 19 P. 5
PERFORMANCE IN NOVEMBER SILILAR TO OCTOBER .....DEC 19 P. 5

CATTLE INDUSTRY-DAIRY
1976 WORLD MILK OUTPUT SEEN NOT EXCEEDING YEAR-EARLIER LEVELS .....JAN 03 P. 19
COWS PERFORM WELL IN HIGH DENSITY HOUSING IN TRIALS .....JAN 24 P. 37
AGWAY'S MIX PREDICTS 1% DAIRY COW DROP .....MAR 21 P. 8
DAIRYMEN GET HIGHER SUPPORTS, JUSTICE CRITICISM .....MAR 28 P. 4
176 MILK OUTPUT AT HIGHEST LEVEL SINCE '65; CASH RECEIPTS SET RECORD .....MAY 09 P. 5
USDA EXPECTS DAIRYMEN WILL INCREASE OUTPUT, HOLD CULLS .....MAY 23 P. 42
SEDIMENT RULES FOR MILK OFFERED .....JUN 06 P. 37
TENNESSEE RESEARCH STUDIES SWITCH TO LOWFAT MILK USE .....JUN 20 P. 34
BUTTER, CHEESE PRODUCTION UP .....JUL 11 P. 22
MINNESOTA DAIRYMEN CONSTRUCTING OWN PLANTS FOR FARM-MADE CHEESE .....JUL 11 P. 34
MILK-FEED RATIO LIKELY WILL FAVOR DAIRYMEN; USDA .....JUL 25 P. 4
THE MARKETPLACE .....AUG 01 P. 8
MILK SUPPORTS COMMENTS ASKED .....AUG 08 P. 14
MILK OUTPUT WILL LIKELY RISE IN FIRST HALF OF 1978 .....OCT 03 P. 4
STUDY CONFIRMS MILK PRICES VARY BY DISTANCE .....NOV 21 P. 13
DAIRY PRODUCTION, PRICES ARE HEADED HIGHER IN 1978 .....NOV 28 P. 18
MILK PRICE WAS 49 CENTS CWT. BELOW COST IN 1976, ILLINOIS SURVEY FINDS .....NOV 28 P. 66
FAVORABLE MILK-FEED PRICE WILL UP PRODUCTION; USDA .....DEC 12 P. 45
REPORT BASED ON JUSTICE DEPARTMENT STUDY CRITICAL OF MILK ORDERS, PRICING .....DEC 19 P. 4
STUDY CITES CONCENTRATION IN DAIRY INDUSTRY, PROFITS AMONG TOP FARMS .....DEC 26 P. 5

CATTLE MANAGEMENT-BEEF
PANEL DISCUSSES INCOMING FEEDLOT CATTLE HANDLING DURING ARIZONA MEETING .....MAY 23 P. 8
STEER SHIVERING INTENSITY LESSENS AS WINTER DEEPENS .....OCT 03 P. 16
STEERS FOUND TO BE EFFICIENT ON UNHOUSED SLATTED FLOOR .....OCT 10 P. 14

CATTLE NUMBERS
CATTLE INVENTORY DECLINE SHARPEST SINCE 1948; USDA .....FEB 07 P. 4
DROUGHT IS FACTOR IN DECLINE OF WORLD CATTLE NUMBERS .....JUL 25 P. 28

TOTAL CATTLE NUMBERS OFF 2% FROM YEAR EARLIER; BEEF COW HERD DECLINES 4% .....AUG 01 P. 4
CATTLE ON FEED IN SEVEN MAJOR STATES UP 11%; PLACEMENTS RECORD HIGH .....NOV 21 P. 4

CATTLE NUMBERS-BEEF
TOTAL '76 COW KILL TRAILS RECORD SET IN '75; STILL TOPS PROJECTIONS. .....JAN 17 P. 4
CATTLE ON FEED PLACEMENTS UP 5%; JAN. 1 FEEDLOT NUMBERS DOWN .....JAN 24 P. 5
MORE SMALL FEEDLOTS THAN BIG DISAPPEAR IN 1976 .....FEB 07 P. 5
CATTLE ON FEED NUMBERS DOWN 6% FEB. 1; PLACEMENTS OFF SLIGHTLY .....FEB 21 P. 4
FED CATTLE OFF 7% IN MARCH, PLACEMENTS DOWN 4% .....MAR 21 P. 10
FEBRUARY COW KILL OFF 3% FROM 1976 .....APR 11 P. 39
APRIL 1 CATTLE ON FEED NUMBERS DOWN; QUARTERLY PLACEMENTS SHOW SMALL RISE .....APR 25 P. 4
CATTLE ON FEED .....MAY 02 P. 38
CATTLE ON FEED MAY 1 DOWN 4%; PLACEMENTS HIGHEST IN SIX YEARS .....MAY 16 P. 4
MARCH COW KILL EXCEEDS 1976 LEVEL .....MAY 16 P. 67
MAY FEEDLOT PLACEMENTS HIGHEST IN FOUR YEARS, SEVEN-STATE TOTALS SHOW .....JUN 20 P. 4
CATTLE PLACED ON FEED IN SECOND QUARTER UP FROM '76, BUT JULY 1 ON FEED DOWN .....JUL 25 P. 4
JUNE MILK TOTAL OVER LAST YEAR, USDA REPORTS .....JUL 25 P. 16
CATTLE ON FEED .....JUL 25 P. 76
CATTLE ON FEED AUGUST 1 UP 3%, PLACEMENTS RECORD HIGH IN SEVEN STATES .....AUG 15 P. 4
CATTLE ON FEED, PLACEMENTS UP IN SEVEN MONTHLY REPORTING STATES: USDA .....SEP 19 P. 4
CATTLE ON FEED NUMBERS UP FROM 1976; JULY-SEPTEMBER PLACEMENTS SET NEW RECORD .....OCT 24 P. 4
CATTLE ON FEED UP, PLACEMENTS DOWN DEC. 1 .....DEC 19 P. 1
CATTLE AND CALVES ON FEED .....DEC 19 P. 40

CATTLE NUMBERS-DAIRY
MILK COW HERD DOWN IN 1976; FEED USAGE UP .....JAN 17 P. 5
JANUARY MILK COW NUMBERS OFF; MILK PRODUCTION RISES 3.2% OVER 1976 .....FEB 14 P. 6
FEBRUARY MILK COW NUMBERS DOWN, PRODUCTION UP .....MAR 14 P. 2
DAIRY HERDS AND OPERATIONS .....MAR 21 P. 60
DAIRY HERD DROP CONTINUES; FEED RATE PICKS UP .....APR 18 P. 4
HIGHER FEED COSTS DROP MILK-FEED RATIO IN APRIL .....MAY 16 P. 4
MAY MILK OUTPUT UP; FEED RATIO DOWN FOR PERIOD .....JUN 20 P. 4
MILK OUTPUT, COW NUMBERS UP IN JULY .....AUG 15 P. 4
LOWER FEED COSTS UP MILK: FEED RATIO .....SEP 19 P. 4
SEPTEMBER MILK TO FEED RATIO HIGHEST SINCE '72 .....OCT 17 P. 4
MILK PRODUCTION UP, MILK-FEED PRICE RATIO DOWN .....DEC 26 P. 5

CATTLE NUTRITION
LEGUMINOUS CORN WOULD BE BREAKTHROUGH IN FEED CROP BREEDING, CANADIANS HEAR .....FEB 21 P. 37
SOYBEAN HAYS STUDIED FOR THEIR CATTLE RATION VALUE .....MAR 07 P. 14
VALUE OF PROTECTED LIPIDS IN RUMINANT DIETS OUTLINED .....MAR 07 P. 15
SILAGE AND SILAGE FERMENTATION .....MAR 28 P. 49
TREATED HAY MAINTAINS QUALITY BETTER IN TRIALS .....MAY 02 P. 15
FACTORS AFFECTING VOLUNTARY FEED INTAKE OF GROWING RUMINANTS FED HIGH CONCENTRATE DIETS .....MAY 02 P. 22
ESTIMATION OF ENERGY CONTENT OF LIQUID WHEY FROM ITS DRY MATTER AND LACTOSE CONTENTS .....MAY 09 P. 28
CONFERENCE SPEAKERS DETAIL LATEST POULTRY, SWINE, RUMINANT, HORSE RESEARCH .....MAY 30 P. 4
TOTAL MIXED DAIRY RATION HOLDS FUTURE POSSIBILITY, GUELPH CONFERENCE ADVISED .....JUN 06 P. 3
WAYS TO BOOST SOYBEAN MEAL FEED VALUE OUTLINED .....JUL 25 P. 17
MONENSIN TRIALS CONDUCTED WITH RANGE, FEEDLOT CATTLE .....AUG 15 P. 12
POTENTIAL FEEDING VALUE OF CROP RESIDUES IN THE U.S. .....AUG 15 P. 22
SODIUM BICARB TESTED WITH HIGH ROUGHAGE RATIONS .....AUG 29 P. 14
PROBIOTICS HELP BOOST FEED EFFICIENCY, SEMINAR TOLD .....SEP 19 P. 11

SCIENTIST SUGGESTS ANIMALS' ABILITY TO FREELY CHOOSE MINERALS MAY BE LIMITED .....SEP 26 P. 4
THE PROBLEM OF MYCOTOXINS IN CATTLE FEEDS .....NOV 07 P. 21
PROTECTED FAT IN RUMINANT DIETS .....NOV 14 P. 18
SILAGE PROCESS VALUES, DRAWBACKS SHOWN BY TYPE .....NOV 21 P. 13
MAKING CORN COBS DIGESTIBLE HARDER IN FEEDLOT THAN LABS .....NOV 28 P. 14
CANADA TEST SHOWS FORMALIN KEEPS COLOSTRUM .....NOV 28 P. 15
WAFERED LOW-QUALITY ROUGHAGES STUDIED AS LOW-COST CATTLE DIET .....NOV 28 P. 15
SILAGE FROM HAY CROPS WORKS WELL IN TWO TRIALS .....DEC 05 P. 14
RUMINANT DEVELOPMENT MAY HOLD KEY TO HELPING FEED WORLD: MCCULLOUGH .....DEC 05 P. 40
VPI COMPUTER FEED FORMULATION PROGRAM DESIGNED TO HELP DAIRYMEN CUT COSTS .....DEC 19 P. 4

CATTLE NUTRITION-BEEF
PASTURED CATTLE MAY BENEFIT FROM EXTRA FEED, RESEARCHER SAYS .....JAN 03 P. 3
VARIOUS CORN LEVELS FOR WINTERING CALVES STUDIED .....JAN 03 P. 18
COTTONSEED HULLS TESTED AS STEER ROUGHAGE SOURCE .....JAN 03 P. 19
TREATED SILAGE USED TO ADAPT CALVES TO GRAIN .....JAN 10 P. 23
DRIED WHEY BOOSTS HAYLAGE DIGESTIBILITY IN S.D. TRIALS .....JAN 17 P. 17
COTTONSEED HULLS USED AS SOLE STEER ROUGHAGE SOURCE .....JAN 24 P. 35
MONENSIN USED TO CUT WINTER HAY CONSUMPTION .....JAN 24 P. 36
WITH CHEAPER CORN, SILAGE VALUE SAID LESS THAN COST .....JAN 31 P. 13
FREE CHOICE MINERALS FOR CATTLE FED CALCIUM-ADEQUATE OR CALCIUM-DEFICIENT RATIONS .....JAN 31 P. 20
MONENSIN CUTS TOTAL COSTS IN MINNESOTA STEER TRIALS .....FEB 07 P. 14
ALFALFA AS A SUPPLEMENT TO INCREASE FOOD INTAKE AND IMPROVE THE USE OF LOW-GRADE ROUGHAGES .....FEB 07 P. 24
DEHY AS A PROTEIN SOURCE FOR RUMINANTS .....FEB 07 P. 27
ANIMALS MAY NOT CHOOSE BEST MINERALS FREE-CHOICE .....FEB 07 P. 30
LIKELY FUTURE FOR CROP RESIDUE FEEDING DETAILED .....FEB 14 P. 21
COWS CAN TOLERATE HIGH LEVELS OF IODINE USED TO FIGHT FOOT ROT, RESEARCHERS SAY .....FEB 21 P. 5
WINTERED CALVES MAY MAKE BEST USE OF ALFALFA PELLETS .....FEB 21 P. 14
ALTERNATIVE GRAINS IN FEEDLOT USE .....MAR 07 P. 21
STEER WEIGHTS, LENGTH OF FEEDING STUDIED IN TRIALS .....MAR 14 P. 14
PREDICTING NET PROTEIN NEEDS OF CATTLE DESCRIBED AT MARYLAND MEETING .....MAR 21 P. 8
MONENSIN-FED RANGE CATTLE PERFORM WELL IN ILLINOIS TRIALS .....MAR 21 P. 18
BEEF COW REPRODUCTION KEYED TO WEIGHT AT CALVING .....MAR 21 P. 19
RIGGED CATTLE .....MAR 21 P. 19
FIELD-WILTED DEHY SAVES FUEL, COMPARES WELL IN TESTS .....MAR 28 P. 12
SOUTH DAKOTANS STUDY GROUND ASPEN WOOD AS BEEF COW RATIONS .....MAR 28 P. 20
SUPPLEMENTS, SUBSTITUTES HIGHLIGHT PURDUE RESEARCH .....APR 04 P. 5
HAY, CORN SILAGE PERFORM LEAST WELL IN FEEDER TRIALS .....APR 04 P. 15
TAILOR-MADE CALF FEEDING CALLED FOR .....APR 11 P. 4
PROTEIN, ENERGY, IMPLANT EFFECTS ON BEHAVIOR STUDIED .....APR 11 P. 12
NEWSPRINT PROVES POOR QUALITY FORAGE IN TRIALS .....APR 18 P. 14
SOME CHANGES IN CATTLE NUTRITION LIKELY TO BE PERMANENT, SEMINAR TOLD .....APR 25 P. 4
ANALYST SAYS WORLD FEED GRAIN STOCKS NOT LIKELY TO RISE AS MUCH AS WHEAT .....APR 25 P. 5
NEBRASKANS SAY ROTATIONAL GRAZING BOOSTS BEEF OUTPUT .....APR 25 P. 15
TRIAL STEERS PERFORM BETTER ON FINE GROUND HAY .....MAY 09 P. 18
BARLEY, WHEAT WORK WELL AS COMBINATION IN TRIALS .....MAY 23 P. 19
A SYSTEM FOR PREDICTING PERFORMANCE OF GROWING AND FINISHING CATTLE .....MAY 30 P. 21
'MODERN' RATION COSTS LESS, PRODUCES MORE, TRIALS SHOW .....JUN 06 P. 14
A SYSTEM FOR PREDICTING PERFORMANCE OF GROWING AND FINISHING CATTLE .....JUN 06 P. 20
CALF WEANING WEIGHT CALLED 'BEST SINGLE PREDICTOR' OF BEEF COW EFFICIENCY .....JUN 06 P. 22
TRIALS SHOW MORE GAIN ON BROWN MIDRIB CORN SILAGE .....JUN 27 P. 13
MICHIGAN STEER FEEDING TRIALS COMPARE SOYBEAN MEAL, UREA .....JUL 04 P. 10

FEEDING SMALLER AMOUNTS OF GRAIN TO CATTLE STUDIED .....JUL 11 P. 13
NUTRIENT REQUIREMENTS OF GROWING AND FINISHING BEEF CATTLE .....JUL 20 P. 53
HEIFERS MUST COST $3-$5 LESS TO OUT-PROFIT STEERS .....JUL 25 P. 16
BARLEY PROCESSING METHODS COMPARED IN FEEDING TRIALS .....AUG 08 P. 13
PATURE MANAGEMENT SAID KEY TO STOCKER GAINS .....AUG 29 P. 14
STACKED CORN STOVER FED IN IOWA BEEF COW TRIALS .....SEP 26 P. 18
HEMICELLULOSE EXTRACT IN CATTLE SUPPLEMENT FORMULATION .....OCT 03 P. 39
MONITORING BEEF CATTLE PERFORMANCE FROM FEED INTAKE RECORDS .....OCT 10 P. 23
WHEAT, WHEAT STRAW USED IN KANSAS STATE STEER TRIALS .....OCT 17 P. 12
CHLORTETRACYCLINE, MONENSIN COMBO SAFE: SCIENTIST .....OCT 17 P. 13
MAINTENANCE NEEDS RISE 1% FOR EACH DEGREE DROP .....OCT 31 P. 13
WET CAGE LAYER MANURE FED TO FEEDLOT CATTLE .....NOV 14 P. 14
STUDIES SHOW BENEFITS OF SODIUM BENTONITE, BICARB .....DEC 12 P. 19
BETTER GAINS, EFFICIENCY AND GRADES REPORTED ON STEERS FED CEMENT DUST .....DEC 19 P. 5
HAY SHOWN TO BE IMPORTANT FOR CALVES: LATER PROGRESS .....DEC 26 P. 14

CATTLE NUTRITION-DAIRY
HIGH FLUORIDE LEVELS MAY CAUSE DAIRY HERD LAMENESS .....FEB 28 P. 24
U.S. DAIRYMEN FOUND MAKING SWITCH TO COLOSTRUM .....APR 11 P. 14
ADVANTAGES OF COMPLETE DAIRY RATIONS CITED .....APR 25 P. 25
WHEY BOOSTS SILAGE DM DIGESTIBILITY IN DAIRY TRIALS .....MAY 16 P. 16
ALFALFA CUBES UP CORN SILAGE DRY MATTER, PROTEIN .....MAY 23 P. 22
DAIRY COWS HANDLE HIGH FAT RATIONS WELL IN TRIALS .....MAY 30 P. 13
RESEARCHERS SAY SOME SALT IN WATER HELPS PALATABILITY .....JUN 13 P. 16
HIGH PRODUCING DAIRY COWS: PROBLEMS CITED .....JUL 04 P. 1
SUBSTITUTING FAT FOR GRAIN WORKED IN OHIO, DAIRY SCIENTISTS TOLD .....JUL 11 P. 4
HIGH LEVELS OF PROTECTED TALLOW FEEDING STUDIED .....JUL 11 P. 10
PLUSES, MINUSES TO COMPLETE DAIRY RATIONS WEIGHED .....JUL 18 P. 12
NUTRIENT REQUIREMENTS OF DAIRY CATTLE .....JUL 20 P. 47
DAIRY CATTLE'S GENETIC MARKETS USEFULNESS STUDIED .....AUG 01 P. 11
SPECIAL CONSIDERATIONS IN FEEDING THE HIGH PRODUCING DAIRY COW .....AUG 08 P. 20
EFFECT ON REPRODUCTION OF EXTRA PHOSPHORUS STUDIED .....SEP 05 P. 15
RESEARCHERS DEVELOP DATA TO BOOST DAIRY EFFICIENCY .....SEP 12 P. 46
DAIRY COWS FED RAPESEED MEAL AS PROTEIN SOURCE .....SEP 19 P. 17
CANADIANS TRY TOTAL MIXED DAIRY RATIONS .....SEP 26 P. 20
TOP-GRAZED ALFALFA CUTS FUEL NEEDS IN OHIO TRIALS .....OCT 24 P. 12
FEED MEN GIVEN HINTS ON HANDLING PRODUCT LIABILITY .....OCT 31 P. 5
CORNELL CONFERENCE RESEARCHERS EXAMINE DAIRY RATION BUFFERS, NRC REQUIREMENTS .....NOV 07 P. 3
UREA CAN MEET ALL DAIRY SUPPLEMENTAL PROTEIN NEEDS .....NOV 07 P. 11

CCC LOANS & INVENTORY
CCC INVENTORIES, LOANS HIGHER .....JAN 03 P. 21
LOAN LEVELS UP THROUGH NOVEMBER .....JAN 03 P. 26
CCC INVENTORIES, LOANS UP AS OF NOV. 30: USDA .....JAN 31 P. 33
1976 CORN, WHEAT LOAN LEVELS CLIMB SHARPLY .....FEB 07 P. 40
CCC INVENTORIES, LOANS INCREASED AS OF DEC. 31 .....FEB 28 P. 74
CCC ASSUMES RISK ON STORED COMMODITIES .....APR 04 P. 6
CCC INVENTORIES, LOANS UP AS OF END OF FEBRUARY .....APR 11 P. 8
CCC INVENTORIES, LOANS INCREASE THROUGH MARCH 31 .....MAY 16 P. 62
DEADLINE EXTENDED ON CCC LOAN PLAN .....MAY 16 P. 62
COMMENTS FAVOR COOP ELIGIBILITY FOR CCC LOANS .....MAY 23 P. 5
USDA LETS COOPERATIVES POOL GRAIN FOR CCC SUPPORT LOANS .....JUN 06 P. 1

USDA GETS 6,000 COMMENTS ON INTENT TO INCLUDE CO-OPS IN GRAIN PRICE SUPPORT PLAN .....JUN 13 P. 4
CCC INVENTORIES, LOANS INCREASE THROUGH APRIL 30 .....JUN 13 P. 44
IN STORAGE PINCH, CCC GRAIN CAN BE MOVED: USDA .....JUN 20 P. 2
USDA ISSUES LOAN RATES FOR WHEAT SORGHUM, BARLEY .....JUN 20 P. 5
GRAIN LOANS UP SHARPLY .....JUN 27 P. 43
CCC INVENTORIES, LOANS UP SHARPLY THROUGH MAY 31 .....JUL 11 P. 36
CO-OPS GET ELIGIBILITY RULES FOR CCC PRICE SUPPORTS .....JUL 18 P. 5
CCC EXTENDS POLICH GRAIN CREDITS AGAIN .....JUL 25 P. 55
USDA SETS COUNTY LOAN, PURCHASE RATES .....AUG 01 P. 19
GRAIN LOAN ACTIVITY UP AS OF JUNE 30 .....AUG 01 P. 21
'WET' STORAGE LOANS AUTHORIZED .....AUG 01 P. 22
CCC INVENTORIES, LOANS RISE OVER YEAR-AGO LEVELS .....AUG 15 P. 5
COURT STOPS WHEAT, FEED GRAIN LOANS TO CO-OPS .....AUG 15 P. 6
USDA EXTENDS LOAN DATES .....AUG 22 P. 50
CCC COMMODITY LOANS UP 400% IN LAST YEAR .....SEP 12 P. 1
CCC INVENTORIES, LOANS CONTINUE MONTHLY INCREASE .....OCT 17 P. 40
USDA WANTS UNIFORM GRAIN STORAGE RATES .....OCT 24 P. 5
USDA SEEKS INPUT ON LOANS TO CO-OPS .....OCT 24 P. 5
LOAN MATURITY DATES EXTENDED .....OCT 31 P. 5
USDA STAGGERING GRAIN LOAN MATURITY DATES CRITICIZED .....NOV 14 P. 5
CCC SEPTEMBER LOANS, INVENTORIES UP DRAMATICALLY .....DEC 05 P. 39
CCC LOANS NOW CLOSE TO $4 BILLION .....DEC 19 P. 26
PRICE SUPPORT LOAN ACTIVITY GAINS .....DEC 19 P. 33
COMMENTS ASKED ON 1978 CROP LOAN, TARGET PRICE .....DEC 26 P. 55
KOREA GETS CREDIT .....DEC 26 P. 57
PRICE SUPPORT LOAN ACTIVITY UPDATED .....DEC 26 P. 58

CENSUS

AGRICULTURE CENSUS - ALABAMA - 1974-1969 .....JAN 03 P. 40
AGRICULTURE CENSUS - RHODE ISLAND - 1974-1969 .....JAN 03 P. 40
AGRICULTURE CENSUS - SOUTH CAROLINA - 1974-1969 .....JAN 03 P. 40
AGRICULTURE CENSUS - SOUTH DAKOTA - 1974-1969 .....JAN 10 P. 50
AGRICULTURE CENSUS - TENNESSEE - 1974-1969 .....JAN 10 P. 50
AGRICULTURE CENSUS - UTAH - 1974-1969 .....JAN 10 P. 50
AGRICULTURE CENSUS - FLORIDA - 1974-1969 .....JAN 17 P. 27
AGRICULTURE CENSUS - LOUISIANA - 1974-1969 .....JAN 17 P. 27
AGRICULTURE CENSUS - VERMONT - 1974-1969 .....JAN 17 P. 27
AGRICULTURE CENSUS - VIRGINIA - 1974-1969 .....JAN 24 P. 100
AGRICULTURE CENSUS - WASHINGTON - 1974-1969 .....JAN 24 P. 100
AGRICULTURE CENSUS - WEST VIRGINIA - 1974-1969 .....JAN 24 P. 100
AGRICULTURE CENSUS - ALASKA - 1974-1969 .....JAN 31 P. 40
AGRICULTURE CENSUS - WISCONSIN - 1974-1969 .....JAN 31 P. 40
AGRICULTURE CENSUS - WYOMING - 1974-1969 .....JAN 31 P. 40
AGRICULTURE CENSUS - ARKANSAS - 1974-1969 .....FEB 07 P. 48
AGRICULTURE CENSUS - MISSISSIPPI - 1974-1969 .....FEB 07 P. 48
AGRICULTURE CENSUS - OKLAHOMA - 1974-1969 .....FEB 07 P. 48
AGRICULTURE CENSUS - HAWAII - 1974-1969 .....FEB 14 P. 55
AGRICULTURE CENSUS - TEXAS - 1974-1969 .....FEB 14 P. 55
AGRICULTURE CENSUS - UNITED STATES - 1974-1969 .....FEB 21 P. 4
AGRICULTURE CENSUS - NORTHEAST - 1974-1969 .....FEB 28 P. 71
AGRICULTURE CENSUS - SOUTH - 1974-1969 .....FEB 28 P. 71
AGRICULTURE CENSUS - NORTH CENTRAL - 1974-1969 .....MAR 07 P. 20

AGRICULTURE CENSUS - WEST - 1974-1969 .....MAR 07 P. 20

CHINA
CHINA FOCUSES ON 'SHORT-TERM' WHEAT RESEARCH .....FEB 28 P. 65
U.S. WILL LIKELY REMAIN ONLY RESIDUAL SUPPLIER OF CHINESE GRAIN IMPORTS .....MAR 07 P. 5
THE MARKETPLACE .....APR 18 P. 10

CHOLESTEROL
AEB CHOLESTEROL RESEARCH PROJECTS TENTATIVELY OKAYED .....FEB 14 P. 6
NCEN SELLS REPRINTS OF CHOLESTEROL ARTICLE .....MAR 21 P. 10
CHOLESTEROL ARTICLE REPRINTS AVAILABLE .....APR 04 P. 12
POULTRYMEN EXPECT HEARING BEFORE DIET BOOK REVISED .....MAY 09 P. 39
DOCTORS, POULTRYMEN URGE CHANGE IN DIETARY GOALS INVOLVING CHOLESTEROL .....AUG 01 P. 1
AEB GRANT TO AID CHOLESTEROL STUDY .....SEP 12 P. 15
PICKLER: CHOLESTEROL ISSUE HURTING EGG CONSUMPTION; TREND MAY SHIFT .....OCT 17 P. 5
TWO EGGS DAILY OK FOR MOST: STUDY .....NOV 28 P. 1
WENTINK BLASTS 'GOALS' SESSION .....NOV 28 P. 4

CHOLINE
ADDED FAT ADDS EFFICIENCY IN K-STATE SWINE TRIALS .....NOV 28 P. 10

COLD STORAGE STOCKS
FROZEN TURKEY STOCKS OFF; RED MEAT STEADY .....JAN 24 P. 8
FROZEN TURKEY STOCKS UP 3%; RED MEAT UP 15% .....FEB 21 P. 2
TURKEY, CHICKEN STOCK RISE, RED MEAT STOCKS UP .....MAR 21 P. 11
MARCH 31 FROZEN POULTRY STOCKS OFF; BEEF, PORK UP .....APR 25 P. 5
FROZEN POULTRY, RED MEAT HOLDINGS UP .....MAY 23 P. 128
RED MEAT STORAGE DOWN IN MONTH, UP IN YEAR; POULTRY, HOG BELLIES UP .....JUN 20 P. 2
FROZEN POULTRY, RED MEAT HOLDINGS UP .....JUL 25 P. 79
FROZEN TURKEY STOCKS DOWN, OTHER MEATS NEAR 76 LEVEL .....AUG 22 P. 2
FROZEN RED MEAT, POULTRY STOCKS DOWN FROM 1976 .....SEP 26 P. 6
POULTRY, RED MEAT COLD STORAGE STOCKS DOWN .....OCT 24 P. 2
FROZEN POULTRY, RED MEAT DOWN .....NOV 21 P. 47
FROZEN TURKEY RED MEAT STOCKS DOWN SHARPLY .....DEC 26 P. 4

COMMODITIES
PRICES HIGHER ON GOOD DOMESTIC, EXPORT DEMAND .....JAN 03 P. 39
INGREDIENT PRICES MOVE UP ON EXPORT RUMORS, WEATHER .....JAN 10 P. 61
RIVER'S ICE CAUSES MAJOR INGREDIENT PRICES TO SLIDE .....JAN 17 P. 37
RIVER OF ICE STYMIES EXPORTS; PRICES GENERALLY STRONGER .....JAN 24 P. 103
EXPORTS STILL HAMPERED, INGREDIENTS TREND LOWER .....JAN 31 P. 37
TRADING SLOW, INGREDIENTS MOVE HIGHER ON RUMORS .....FEB 07 P. 63
DOMESTIC, EXPORT DEMAND EBB; PRICES TREND LOWER .....FEB 14 P. 59
INGREDIENTS TREND HIGHER ON COMMERCIAL INTEREST .....FEB 21 P. 45
EXPORT INTEREST PUSHES PROTEIN PRICES HIGHER .....FEB 28 P. 73
SOYBEANS BREAK $8 MARK; SUPPLY TIGHTNESS FORESEEN .....MAR 07 P. 47
'TECHNICAL ADJUSTMENT' SLOWS SOYBEAN PRICE ADVANCES .....MAR 14 P. 47
PROTEIN PRICES SHOOT HIGHER IN WEEK OF WILD PRICE SWINGS .....MAR 21 P. 59
PROTEIN PRICES CONTINUE SPIRALS IN ERRATIC WEEK .....MAR 28 P. 61
CHINESE JOIN SPECULATORS IN MOVING PROTEINS HIGHER .....APR 04 P. 37
SOYBEAN PRICES RENEW CLIMB ON EXPORT NEWS .....APR 11 P. 41
WILD GYRATIONS TYPIFY UPWARD PROTEIN MOVES .....APR 18 P. 49

PROTEINS CONTINUES UPWARD PRICE MOVES, CORN WEAKER .....APR 25 P. 67
PROTEINS STAGE COMEBACK RALLY ON DWINDLING STOCKS .....MAY 02 P. 37
SELLING CUTS INTO PRICE ADVANCES FOR INGREDIENTS .....MAY 09 P. 41
PROTEINS RECOUP LOST GROUND IN ERRATIC WEEK .....MAY 16 P. 69
PROTEINS WORK LOWER AS BUYING INTEREST DECLINES .....MAY 23 P. 125
INGREDIENT PRICES TREND HIGHER IN CHOPPY WEEK .....MAY 30 P. 35
PROTEINS BACK IN ERRATIC PATTERN, CORN MOVES HIGHER .....JUN 06 P. 35
LACK OF BUYER INTEREST WORKS PRICES DOWNWARD .....JUN 13 P. 43
RAINS, LAGGING EXPORT INTEREST DROP PRICES .....JUN 20 P. 33
STOCKS, WEATHER CONSPIRE TO PUSH PRICES LOWER .....JUN 27 P. 41
GOOD WEATHER, BIG ACREAGE ESTIMATES DROP PRICES .....JUL 04 P. 27
WEATHER, DEMAND EBB FORCE INGREDIENTS LOWER .....JUL 11 P. 33
WEATHER, PSYCHOLOGY PUSH PRICES TO HIGHER LEVELS .....JUL 18 P. 29
WEATHER, PRICE LEVELS FORCE OPPOSITE MOVES .....JUL 25 P. 75
EXCELLENT CROP PROSPECTS STEAL PRICE SUPPORT .....AUG 01 P. 29
PRICES GAIN SOME STRENGTH IN ERRATIC EXPORT MARKET .....AUG 08 P. 35
SLOW DEMAND SIGNALS DECLINES FOR INGREDIENTS .....AUG 22 P. 49
SLOW FEED BUSINESS, GOOD WEATHER ERODE INGREDIENTS .....AUG 29 P. 31
WEATHER, EXPORT NEWS LEND PRICE SUPPORT .....SEP 05 P. 49
COMMERCIAL INTEREST SPARKS HIGHER PRICES FOR GRAINS .....SEP 12 P. 43
INGREDIENT PRICES QUIET IN WEATHER DOMINATED MARKET .....SEP 19 P. 41
WEATHER-DELAYED HARVEST SPURS PRICE STRENGTH .....SEP 26 P. 83
EXPORT, WEATHER NEWS DROP INGREDIENT PRICES .....OCT 03 P. 53
WEATHER, RUSSIANS FUEL INGREDIENT PRICE HIKES .....OCT 10 P. 39
DOCK STRIKE, CROP REPORT TAKE STEAM OUT OF PRICES .....OCT 17 P. 37
NORMAL HARVEST PRESSURE FELT ON INGREDIENT PRICES .....OCT 24 P. 53
FARM HOLDING, EXPORT RUMORS BOLSTER PRICES .....OCT 31 P. 31
INGREDIENT PRICES SHARPLY HIGHER ON FARMER HOLDING .....NOV 07 P. 39
PRICES CONTINUE UPWARD; FARMER HOLDING CONTINUES .....NOV 14 P. 43
EXPORT SPECULATION, FARM HOLDING FORCE PRICES UP .....NOV 21 P. 45
MARKETS LOWER IN WEEK OF SLOW HOLIDAY TRADING .....NOV 28 P. 63
INGREDIENT PRICES MOSTLY WEAKER IN ERRATIC WEEK .....DEC 05 P. 39
INGREDIENT PRICES MOSTLY UNCHANGED IN QUIET WEEK .....DEC 12 P. 47
PRICES MOSTLY LOWER; MEAL HIGHER ON EXPORTS .....DEC 19 P. 39
INGREDIENTS POST MODERATE HOLIDAY PRICE ADVANCES .....DEC 26 P. 55

COMMODITY FUTURES TRADING COMMISSION
NEWS REPORT OF EXCHANGE PRICING CALLED 'INFLAMATORY' .....JAN 10 P. 5
CFTC SCHEDULES HEARINGS ON SPOT CASH COMMITTEES .....FEB 14 P. 44
CFTC NOW CALLS REPORT 'ERRONEOUS ON GRAIN EXCHANGES' PRICE SYSTEM .....MAR 14 P. 2
CFTC PROPOSES CHANGES IN SPOT CASH COMMITTEE .....JUN 27 P. 1
CFTC PROPOSES FINANCIAL "EARLY WARNING SYSTEM" .....JUN 27 P. 5
COURT TO ALLOW HUNT FAMILY TO RE-QUESTION CFTC'S MARTIN .....AUG 01 P. 3
CFTC ADOPTS NEW REVISIONS TO HEDGING DEFINITION .....AUG 22 P. 3
COURT FIND HUNTS GUILTY OF SOYBEAN LIMIT VIOLATIONS .....OCT 03 P. 7
CONGRESS TO EXAMINE CFTC FATE AFTER WINTER RECESS .....DEC 19 P. 1

COMPANY

ADA RESOURCES, INC.
ADA RESOURCES RESULTS OFF FROM YEAR-EARLIER .....MAR 14 P. 8
ADA RESOURCES, INC. EARNINGS DOWN FOR YEAR .....JUN 13 P. 8

ADA RESOURCES EARNINGS UP, TAX CHANGE CITED .....NOV 28 P. 61

AZL RESOURCES, INC.
AZL SHOWS SHARP LOSSES ON HIGHER SALES .....MAY 30 P. 7
AZL REPORTS RESULTS DOWN .....AUG 29 P. 6
AZL REPORTS THIRD QUARTER, NINE MONTH LOSSES .....NOV 28 P. 6
PROCHEMCO TO INVEST IN AZL RESOURCES .....DEC 26 P. 8

ABBOTT, WALTON, PHILLIPS & ASSOCIATES
BYRON PHILLIPS TO FORM AGENCY .....AUG 08 P. 8

AG BEST CORP.
JAPANESE TAKE LOOK AT AG-BEST BUILDINGS .....OCT 10 P. 40

AGLAND, INC.
AGLAND HOLDS OPENING FOR NEW COLORADO MILL .....OCT 10 P. 5

AGRADEX INTERNATIONAL
AGRADEX INTERNATION AWARD .....AUG 29 P. 15

AGRICOL CORP., INC.
AGRICOL CORP. BUYS TOWNSEND GRAIN .....JUL 18 P. 30

AGRIMERICA, INC.
AGRIMERICA SETS UP YUGOSLAV OPERATIONS .....JAN 03 P. 42
SALSBURY LICENSED BY AGRIMERICA .....JAN 24 P. 66
TASTE SUPPLEMENT SPRAY SYSTEM NOW AVAILABLE .....JUN 27 P. 27

AGRISERVICES FOUNDATION
AGRI TRADING ASSOCIATES FORMED .....OCT 03 P. 8
CUBAN TRIP PLANNED .....NOV 28 P. 65

AGROPHYSICS, INC.
HEI-GRO DISTRIBUTOR .....FEB 21 P. 2
HEIFERS TESTED WITH NON-DRUG GROWTH STIMULANT .....APR 25 P. 16
NEW DISTRIBUTOR .....DEC 19 P. 40

AGRO TECH INTERNATIONAL, INC.
AGRO TECH FORMS SYSTEMS DIVISION .....JUL 11 P. 6

AGVENTURES, INC.
RICHARD HAGEN FORMS AGVENTURES .....AUG 08 P. 8

AGWAY
AGWAY ANNOUNCES POULTRY FEEDING PLAN .....JUL 04 P. 6
AGWAY AND SEATTLE SLEW .....AUG 15 P. 4
AGWAY DESIGNS NEW ENERGY-SAVING STORE .....OCT 24 P. 4
AGWAY'S MARGINS TIGHTEN DURING STRONG SALES YEAR .....NOV 07 P. 1
AGWAY ENERGY LAB BUILT FOR SOLAR HEATING, COOLING .....NOV 07 P. 4
AGWAY MAKES GRANTS TO NORTHEASTERN SCHOOLS .....DEC 19 P. 8

RICHARD ALLEN & ASSOCIATION, LTD.

RICHARD ALLEN STARTS CONSULTING BUSINESS .....FEB 21 P. 8

ALLEN PRODUCTS
ALPO LABEL GOES ON DRY DOG FOOD .....MAR 21 P. 12

ALLIED CHEMICAL CORPORATION
ALLIED CHEMICAL FEED INGREDIENT SHIFTS ANNOUNCED .....JAN 10 P. 10
WAYNE FEEDS MARKETS NEW RANGE CUBES TO SUPPLEMENT BROOD COWS .....FEB 07 P. 4
ALLIED MILLS MARKETS DOG FOODS .....FEB 21 P. 39
ALLIED MILLS, INC. COMPLETES FEED PLANT IN ILLINOIS .....FEB 28 P. 10
WAYNE OFFERS DAIRY INFO TO LOCAL COMPUTERS .....MAR 07 P. 16
ALLIED CHEMICAL NAMES WESTERN SALES AGENTS .....APR 11 P. 27
ALLIED CHEMICAL DISCUSSES PLANT SALE .....MAY 30 P. 1

ALLIED FOODS, INC.
ALLIED FOODS REPORTS REDUCED LOSSES .....JAN 31 P. 8
ALLIED FOODS CUTS FIRST HALF LOSSES .....MAY 23 P. 108
ALLIED FOODS REPORTS IMPROVED EARNINGS .....JUL 25 P. 68
ALLIED FOODS, PET FOOD MAKER, REPORTS LOSS .....DEC 12 P. 6

ALLIED MILLS, INC.
NEW FEED PLANT .....APR 18 P. 4
WAYNE FEEDS OFFERS PUBLICATION .....APR 18 P. 40
WAYNE FEEDS MARKETS DAIRY FORAGE PRODUCTS .....APR 25 P. 16
WAYNE FEEDS PROMO .....MAY 16 P. 56
WAYNE INTRODUCES PIG SUPPLEMENT .....MAY 23 P. 18
WAYNE FEEDS REALIGNS SOUTHEASTERN REGION .....MAY 23 P. 92
WAYNE FEEDS GIVES PACESETTER AWARDS .....JUN 20 P. 6
AD WINNER .....JUL 11 P. 3
WAYNE POULTRY MARKETS QUICK FROZEN CHICKEN .....AUG 15 P. 8
ARTHUR LEITHERER OF ALLIED MILLS RETIRES .....AUG 15 P. 8
ALLIED MILLS TO UPGRADE MEMPHIS FEED FACILITY .....AUG 15 P. 40
NEW BAGGED CHICKEN PRODUCT .....AUG 29 P. 5
WAYNE POULTRY BEGINS WORK ON NEW BROILER PLANT .....AUG 29 P. 13
WAYNE INTRODUCES PRODUCT WITH WORMER INCLUDED .....SEP 05 P. 30
SWINE PRE-START NOW AVAILABLE FROM WAYNE FEEDS .....OCT 10 P. 39
WAYNE FEEDS PROMOTES CONTEST TO WIN HORSE .....NOV 14 P. 32

ALPHA BIOPROCESS CO.
FIRM OFFERS SILAGE INOCULANT .....AUG 08 P. 15

AMERICAN COLLOID COMPANY
COLLOID PICKS BRADY COMPANY .....MAY 23 P. 112

AMERICAN CYANAMID CO.
CYANAMID DISTRIBUTING CONTEST COOKBOOKS .....SEP 26 P. 17

AMERICAN HOECHST CORPORATION
FIRM REPORTS RESULTS OF USING BAMBERMYCINS .....JUN 13 P. 44

THE ANDERSONS
THE ANDERSONS BEGIN FIRST PHASE OF EXPANSION .....NOV 07 P. 7

THE ANDERSONS EXPANDS .....NOV 21 P. 1
THE ANDERSONS OPENS FEED, PET FOOD PLANT .....NOV 21 P. 7
PELLETIZED COBS SOLD IN EUROPE BY THE ANDERSONS .....DEC 12 P. 51

ANDERSON, CLAYTON & COMPANY
ANDERSON, CLAYTON TO BUILD COTTONSEED PLANT .....JAN 03 P. 7
ANDERSON CLAYTON QUARTERLY INCOME, SALES UP .....FEB 21 P. 8
ANDERSON CLAYTON SHOWS 30% RISE IN QUARTER .....MAY 16 P. 8
BREWINGTON TO HEAD ACCO FEEDS JULY 1 .....MAY 30 P. 2
ANDERSON CLAYTON YEAR'S RESULTS UP BUT QUARTER OFF .....AUG 22 P. 8
ANDERSON CLAYTON SCORES RECORD YEAR, BUT FEEDS OFF .....OCT 17 P. 7
ANDERSON CLAYTON SALES INCREASE, BUT INCOME DECLINES .....NOV 14 P. 8

GEORGE SANDERS APPLETON & ASSOCIATES
APPLETON FORMS CONSULTING FIRM .....OCT 17 P. 26

ARBOR ACRES FARM, INC.
ARBOR ACRES PLANS MANAGEMENT COURSE .....FEB 14 P. 26
ARBOR ACRES CREATES MIDDLE EAST DIVISION .....MAR 21 P. 49

ARCHER DANIELS MIDLAND CO.
ADM EARNS 56 CENTS A SHARE ON SECOND-QUARTER NET .....JAN 31 P. 8
WALKER RETIRES AS ADM VICE CHAIRMAN .....APR 04 P. 8
ADM EARNS 52 CENTS A SHARE IN THIRD QUARTER .....MAY 02 P. 9
ADM DIVIDEND .....MAY 02 P. 28
GOOCH BUYS NELSON & BOLLEN FEED PLANT .....JUN 13 P. 6
ARCHER DANIELS MIDLAND ANNUAL EARNINGS OFF .....AUG 08 P. 8
ADM QUARTERLY EARNINGS OFF SLIGHTLY .....OCT 31 P. 8

ARIZONA-COLORADO LAND & CATTLE CO.
AZL THIRD QUARTER OFF, NINE MONTHS UP .....FEB 28 P. 12
AZL'S COMMODITY FIRM HAD RECORD 1976 REVENUES; CATTLE, EQUIPMENT HAD DECLINES .....MAY 02 P. 9

ARKANSAS PROTEINS, INC.
ARKANSAS PROTEINS SEEKS NEW PLANT .....APR 11 P. 34

ARMOUR & COMPANY
ARMOUR'S 1976 EARNINGS UP, REVENUE DOWN .....MAR 07 P. 8
ARMOUR FOOD EARNINGS DROP $4 MILLION IN '76 .....APR 11 P. 8
ARMOUR SHOWS FIRST QUARTER SALES, EARNINGS DROP .....MAY 23 P. 109
ARMOUR DIVIDEND .....MAY 23 P. 112
ARMOUR RESULTS OFF FOR QUARTER, SIX MONTHS .....AUG 15 P. 8
ARMOUR DIVIDEND .....AUG 15 P. 39
ARMOUR REPORTS SLIGHTLY LOWER INCOME FOR QUARTER .....NOV 28 P. 6
ARMOUR FOODS TO CONSOLIDATE TURKEY PRODUCTION .....DEC 19 P. 17

ATWOOD LARSON CO.
STOKER HEADS ATWOOD LARSON CO. .....SEP 26 P. 6

AUSTRALIAN MEAT & LIVESTOCK CORP.
AUSSIES OFFER PLAN TO SET UP LIVESTOCK CORP. .....MAY 30 P. 26

BABCOCK INDUSTRIES

AGRI-BIO SAYS FIRE DAMAGE MINIMIZED .....FEB 07 P. 59
BABCOCK BOARD ACCEPTS ROBINS OFFER TO BUY .....OCT 10 P. 1
BABCOCK CONTRIBUTION BOOSTS COMBAT FUND .....DEC 05 P. 6
BABCOCK, ROBINS AGREEMENT SIGNED .....DEC 26 P. 8

BILL BALEY
THREE GEORGIANS BUILDING ELEVATOR .....JAN 10 P. 48

ART BARNARD & ASSOC., INC.
NEW RECRUITER OFFICE .....NOV 28 P. 39

BEACON MILLING COMPANY
EMPLOYEE STOCK OWNERSHIP PLANS .....JUN 20 P. 20
BEACON WINNERS .....SEP 12 P. 2

BEATRICE FOODS COMPANY
BEATRICE FOODS REPORTS RECORDS IN THIRD QUARTER .....JAN 10 P. 10
BEATRICE FOODS REPORTS BEST QUARTER EVER .....AUG 22 P. 46
BEATRICE FOODS' SECOND QUARTER TOPS '76 .....OCT 17 P. 7

BERICO INDUSTRIES
BERICO DISTRIBUTOR .....MAR 07 P. 16

BIG CREEK CORP.
FIRM TO PROCESS DRIED BREWERS YEAST .....JUL 11 P. 36

BIL-MAR FOODS, INC.
PROCESSORS GIVEN SERVICE AWARD .....APR 04 P. 5
BIL-MAR PLANS BID ON IOWA POULTRY FACILITIES .....APR 18 P. 5

BIG V FEEDS, INC.
BIG V BUILDS NEW MILL TO REPLACE ONE THAT BURNED .....AUG 15 P. 6

BIO-CIDE CHEMICAL CO., INC.
BIO-CIDE REPRESENTATIVE .....FEB 21 P. 33

BORG-WARNER ACCEPTANCE CORP.
NEW FINANCIAL SERVICE OFFERED .....DEC 05 P. 7

BOTKINS GRAIN & FEED CO.
PROVICO FEEDS MARKETS TWO NEW FEEDS FOR LIVESTOCK, POULTRY .....JAN 03 P. 4

BOW WOW COMPANY, INC.
NEW DOG FOOD .....APR 18 P. 40

BUCKET ELEVATOR CO.
TESTING OFFERED FOR NON-FREE FLOW MATERIALS .....DEC 26 P. 35

BUCKEYE CELLULOSE CORPORATION
BUCKEYE CELLULOSE FORMS NEW DEPARTMENT .....MAY 23 P. 89

BUHLER MILLS, INC.

BUHLER MILLS BUYS HUMPHREYS MILLS .....JAN 10 P. 6

BUNGE CORPORATION
BUNGE NAMES WEIR VICE PRESIDENT .....JUN 20 P. 7

BURDICK GRAIN COMPANY
AFTERMATH OF A HOLOCAUST .....MAY 16 P. 8

CF INDUSTRIES
COSTLY NATURAL GAS! .....MAR 28 P. 9

CF PETROLEUM COMPANY
CF PETROLEUM CHANGES NAME .....JAN 03 P. 39

CPC INTERNATIONAL
NET INCOME SETS RECORD, SALES DOWN AT CPC .....MAR 07 P. 8

CTB, INC.
CHORE-TIME, BROCK MFG. FORM CBT, INC. .....JAN 03 P. 6

CADCO, INC.
CADCO BEGINS PLANT EXPANSION .....MAY 23 P. 109

CAGLE'S, INC.
CAGLE'S, INC. REPORTS 39-WEEK LOSS .....FEB 28 P. 12
CAGLE'S EXPLAINS LOSS; PLANS TO PURCHASE PLANT .....JUN 20 P. 6
CAGLE ANNOUNCES PLANS TO STEP DOWN .....JUN 27 P. 4
STRAIN WILL BE NEW CAGLE BOARD CHAIRMAN .....JUL 18 P. 29
CAGLE'S FILES BROILER ANTITRUST SUIT SETTLEMENT .....AUG 08 P. 2
CAGLE'S SUFFERS LOSS AS NET SALES SLUMP .....AUG 29 P. 6
CAGLE'S REPORTS NET LOSS, SALES INCREASE .....NOV 28 P. 6

CALHOUN GRAIN FACILITY
JACK CARTER TO JOIN GRAIN FIRM .....APR 18 P. 50

CAL-MAINE FOODS, INC.
CAL-MAINE ACQUIRES STAHMANN EGG FIRM .....FEB 07 P. 8
LARGE CAL-MAINE PORK FACILITY IS BEING BUILT .....APR 18 P. 8
CAL-MAINE NAMES NEW OFFICERS .....JUL 18 P. 7
CAL-MAINE FOODS REPORTS EARNINGS, REVENUES RISE .....AUG 15 P. 8
CAL-MAINE GROWS WITH NEW PROJECTS IN U.S., IRAN .....SEP 19 P. 7
CAL-MAINE REPORTS QUARTERLY NET LOSS ON LOWER SALES .....OCT 17 P. 7

CAL-TEX GRAIN COMPANY
CAL-TEX GRAIN OPENS PASADENA OFFICE .....JUN 20 P. 5

CAMPBELL SOUP COMPANY
CAMPBELL SOUP'S SALES, EARNINGS RISE .....MAR 21 P. 12
CAMPBELL SOUP SALES, INCOME UP .....MAY 30 P. 7
CAMPBELL SOUP SETS SALES, EARNINGS RECORD .....SEP 19 P. 7
CAMPBELL BOOSTS FACILITY SPENDING TO $80.2 MILLION .....NOV 14 P. 8
CAMPBELL SOUP QUARTERLY SALES, EARNINGS UP .....NOV 28 P. 61

CANADIAN PACIFIC INVENTMENTS, INC.
CPI ACQUIRES RENDERING FIRM .....JAN 03 P. 7

CARBORUNDUM CO.
CARBORUNDOM CO. BUYS GEORGIA IRRIGATION MANUFACTURER .....AUG 29 P. 24

CARGILL, INC.
CARGILL EXPANDS SALT INTERESTS .....JAN 03 P. 43
CARGILL MOVES STAFF TO NEW HEADQUARTERS .....JAN 10 P. 48
NUTRENA'S NEW MEMPHIS MILL FEATURES COMPUTERIZED MIXING, AUTOMATED BAGGING .....JAN 24 P. 59
CARGILL ACQUIRES HEINOLD ELEVATOR COMPANY .....FEB 07 P. 8
CARGILL TO BUILD DUTCH CORN PLANT .....FEB 14 P. 51
NEW CARGILL OFFICE .....MAR 07 P. 7
CARGILL NAMES OFFICERS IN SUBSIDIARY, DIVISION .....MAR 14 P. 39
CARGILL ADMITS $5 MILLION IN "UNUSUAL" PAYMENTS CONNECTED TO BUSINESS .....MAR 21 P. 6
FIRE SHUTS DOWN CARGILL POULTRY PLANT .....MAR 21 P. 62
CARGILL BEGINS CONSTRUCTION OF FONDA ELEVATOR .....MAY 09 P. 8
CARGILL'S RESERVE EXPORT FACILITY FULLY OPERATIONAL .....JUL 11 P. 4
CARGILL ACQUIRES TAYLOR-EVANS' LIQUID FEED PLANT .....JUL 25 P. 17
NEW CAR-REN ANHYDROUS FACILITY .....AUG 08 P. 5
NUTRENA DEVELOPS NEW DAIRY CALF MEAL STARTER RATION .....AUG 08 P. 13
CARGILL REGROUPS EXECS; MACMILLAN NEW CHAIRMAN .....AUG 15 P. 2
CARGILL ACQUIRES KANSAS EGG COMPANY .....SEP 05 P. 8
CARGILL OFFERS CASH ADVANCE OPTION IN CANADA .....SEP 12 P. 36
CARGILL'S GREAT LAKES PRIDE .....SEP 26 P. 6
CARGILL BUYS IOWA FACILITY .....SEP 26 P. 83
CARGILL SETS UP AG PROFESSORSHIP AT ST. PAUL COLLEGE .....OCT 17 P. 19
NUTRENA MARKETS LIQUID DAIRY FEED SUPPLEMENT .....OCT 31 P. 4
BURRUS' ZUMWALT WILL RETIRE .....OCT 31 P. 8
SUNFLOWER SEED PLANT .....OCT 31 P. 34
WELLMAN HEADS CARGILL POULTRY .....NOV 07 P. 6
CARGILL REPLACING MONTANA ELEVATOR DESTROYED BY FIRE .....NOV 14 P. 8
FIRE DAMAGES NEW CARGILL DULUTH TERMINAL .....NOV 21 P. 5
CARGILL'S MEREDOSIA, ILL., TERMINAL TO OPEN JAN. 3 .....DEC 12 P. 6
CARGILL TO BUILD $16-MILLION TOLEDO FACILITY .....DEC 26 P. 4

CARNATION CO.
CARNATION ANNUAL SALES, EARNINGS RECORDS .....MAR 14 P. 8
PET FOOD CONTRIBUTES TO CARNATION'S RECORD YEAR .....MAR 28 P. 8
CARNATION REPORTS QUARTER, NET SALES GAINS .....MAY 30 P. 7
NEW PET FOOD LINE .....SEP 19 P. 42
CARNATION CO. EARNINGS AND SALES SET RECORD .....NOV 28 P. 6

CENEX
CENEX REPORTS RECORD '76 SALES, SAVINGS DECLINE .....FEB 14 P. 8
PACIFIC SUPPLY CO-OP MERGE INTO CENEX ANNOUNCES .....OCT 03 P. 8

CENTENNIAL MACHINE CO.
POULTRY PROCESSING LINE ANNOUNCED .....NOV 28 P. 37

CENTRAL CAROLINA FARMERS EXCHANGE, INC.

CENTRAL CAROLINA FARMERS INTRODUCES NEW HOG FEED .....AUG 29 P. 4
CENTRAL CAROLINA FARMERS REPORT FEED SALES UP .....AUG 29 P. 6
BULK HORSE FEED MARKETED BY CCF .....DEC 05 P. 6
CCF REPORTS LOWER INCOME, RECORD VOLUME IN 1977 .....DEC 05 P. 7

THE CENTRAL FEED COMPANY
MONTANA MILL IN RECEIVERSHIP .....MAR 07 P. 8

CENTRAL SOYA COMPANY, INC.
DIVIDEND DECLARED .....JAN 17 P. 30
CENTRAL SOYA SECOND QUARTER EARNINGS DROP .....MAR 28 P. 8
CENTRAL SOYA RAISES SOY PROTEIN PRICES .....MAR 28 P. 9
CENTRAL SOYA DIVIDEND .....APR 11 P. 6
CENTRAL SOYA LOOKS FOR BETTER SECOND HALF BUSINESS .....APR 25 P. 6
NEW MASTER MIX POULTRY FEEDS DIFFER IN ENERGY .....MAY 02 P. 14
CENTRAL SOYA SAYS IT MADE IMPROPER PAYMENTS TO OVERSEAS CUSTOMERS .....JUN 20 P. 5
CENTRAL SOYA EARNINGS LAG YEAR-AGO LEVEL .....JUN 27 P. 5
CENTRAL SOYA DIVIDEND .....JUL 18 P. 25
CENTRAL SOYA EXPECTS "NOMINAL" QUARTERLY PROFIT OR LOSS .....AUG 29 P. 24
CENTRAL SOYA PLACES $55 MILLION IN NOTES .....SEP 12 P. 8
CENTRAL SOYA OPENS ILLINOIS PROTEIN PLANT .....SEP 19 P. 7
CENTRAL SOYA DIVIDEND .....SEP 19 P. 39
CENTRAL SOYA ELECTS TWO VPS .....SEP 26 P. 8
CENTRAL SOYA REPORTS NET LOSS IN FINAL QUARTER .....OCT 17 P. 2
CENTRAL SOYA REPORTS '77 WAS DISAPPOINTING YEAR .....NOV 28 P. 6
CENTRAL SOYA EXPECTS 'SUBSTANTIALLY' BETTER EARNINGS .....DEC 05 P. 7

CENTRA SOTA COOPERATIVE
FARM SUPPLY DEALER LOOKS AT HOW TO KEEP PACE WITH CHANGE .....DEC 12 P. 22

CEREAL BYPRODUCTS COMPANY
CEREAL BYPRODUCTS TO MOVE OFFICE .....JUN 06 P. 2

CHESSIE SYSTEM
BUFFALO INTERCHANGE .....MAY 23 P. 92

CHICKASHA COTTON OIL COMPANY
CHICKASHA COTTON OIL INCOME UP .....JAN 03 P. 36
CHICKASHA'S SALES AND OPERATING REVENUE OFF .....JUL 04 P. 7
CHICKASHA CO. EARNED MORE ON COTTON IN 1977 .....NOV 28 P. 6
CHICKASHA COTTON OIL REPORTS FIRST QUARTER LOSS .....DEC 19 P. 8

CHORE-TIME EQUIPMENT, INC.
CHORE-TIME INTRODUCES SHALLOW CAGE PYRAMID LAYER SYSTEM .....DEC 26 P. 37

CHROMALLOY PHARMACEUTICALS, INC.
ATROPHIC RHINITIS BACTERIN OFFERED BY BURNS-BIOTEC .....FEB 21 P. 4

CLAYTON BROKERAGE COMPANY
CLAYTON BROKERAGE FORMS FRAZIER DIVISION .....JAN 10 P. 53

COBB, INC.

SLAVEY FOLLOWS COBB AT BROILER COMPANY .....SEP 12 P. 6

COLONIAL FOODS, INC.
COLONIAL'S QUARTERLY SALES, EARNINGS UP .....JAN 03 P. 36

COLUMBIAN HOG & CATTLE POWDER COMPANY
COLUMBIAN HOG, CATTLE POWDER CITES SALESMEN .....MAR 07 P. 34

COMPUTONE SYSTEMS, INC.
'MULTI-BLEN' FORMULATION PROGRAM INTRODUCED BY COMPUTONE SYSTEMS .....JAN 03 P. 6
COMPUTONE TO MOVE .....JUL 18 P. 32

CONAGRA, INC.
CONAGRA DIVIDEND .....JAN 31 P. 28
CONAGRA ACQUIRES PET DEALERS SUPPLY .....FEB 07 P. 8
CONAGRA AGREES TO BUY STRATFORD OF TEXAS ASSETS .....FEB 28 P. 12
CONAGRA TO LEASE MINNEAPOLIS ELEVATOR .....FEB 28 P. 74
CONAGRA TO ADD TO ALABAMA, TENNESSEE PLANTS .....MAR 14 P. 8
CONAGRA HONOR COUNCIL .....MAY 09 P. 2
CONAGRA QUARTER EARNINGS UP, BUT NINE MONTHS OFF .....MAY 16 P. 8
CONAGRA DIVIDEND .....MAY 16 P. 27
CONAGRA EXPANDING LOUISIANA FACILITIES .....MAY 16 P. 72
CORRECTION .....MAY 23 P. 12
CONAGRA ACQUIRES J. P. KING & SONS .....MAY 30 P. 6
CONAGRA MARKETS THREE NEW PET FOOD PRODUCTS .....JUN 13 P. 8
CONAGRA PURCHASES KING EGG FACILITY .....JUN 27 P. 5
CONAGRA REPORTS INCREASED SALES IN FISCAL 1977 .....JUL 04 P. 2
CONAGRA TO BUY TACO RESTAURANTS .....JUL 25 P. 8
CONAGRA DIVIDEND .....AUG 01 P. 6
AGRIPRODUCTS EARNINGS DOUBLED AT CONAGRA IN 1977 .....AUG 22 P. 8
CONAGRA ACQUIRES BOW WOW DOG FOOD CO. .....AUG 29 P. 6
CONAGRA, BURDICK GRAIN ANNOUNCE MERGER AGREEMENT .....SEP 26 P. 8
CONAGRA QUARTERLY NET UP ON LOWER SALES .....SEP 26 P. 8
CONAGRA PLANS TO DOUBLE CAPACITY OF ALABAMA BROILER COMPLEX BY 1979 .....OCT 03 P. 6
CONAGRA PROMOTES PUERTO RICO EXECS .....OCT 17 P. 7
CONAGRA TEST MARKETS NEW DOG FOOD .....OCT 17 P. 7
CORRECTION .....OCT 31 P. 33
PURCHASE AUTHORIZED .....DEC 12 P. 51
CONAGRA REPORTS HIGHER QUARTERLY, SIX-MONTH EARNINGS .....DEC 19 P. 8

CONTINENTAL GRAIN COMPANY
CONTINENTAL NAMES INTERNATIONAL V.P. .....JAN 10 P. 45
CONTINENTAL GRAIN ANNOUNCES NEW DIRECTORS, V.P.S .....APR 25 P. 6
CONTINENTAL GRAIN DIRECTORS .....MAY 02 P. 3
CONTINENTAL GRAIN'S FRIBOURG: COMMODITY RESERVES BETTER ANSWER THAN INTERNATIONAL PRICE AGREEMENTS .....MAY 02 P. 3
CONTINENTAL FUNDS CAL. GRAIN RESEARCH .....MAY 16 P. 48
CONTINENTAL GRAIN AWARDED DAMAGES FROM TURK AGENCY .....MAY 30 P. 37
CONTINENTAL MOVES UNIT HEADQUARTERS .....JUN 20 P. 6
25 DEAD IN CONTINENTAL GRAIN ELEVATOR BLAST .....DEC 26 P. 1

CONTINENTAL ILLINOIS NATIONAL BANK & TRUST
'AG LAND TRUST' DRAWS FARMER, CONGRESSIONAL IRE .....FEB 14 P. 1

BANK, BROKER DEFEND LAND TRUST PROPOSAL BEFORE CONGRESSIONAL CRITICS .....FEB 21 P. 6
CONTINENTAL DROPS IRS APPLICATION FOR AG LAND FUND .....MAR 21 P. 12

COOK INDUSTRIES, INC.
COOK REPORTS PRELIMINARY QUARTER, HALF LOSSES .....JAN 03 P. 7
COOK REPORTS QUARTER, FIRST HALF NET LOSSES .....JAN 24 P. 12
COOK TO SELL TEXAS ELEVATOR .....APR 04 P. 7
COOK INDUSTRIES REPORTS LOSSES FOR ITS THREE AND NINE-MONTH PERIODS .....APR 11 P. 8
COOK INDUSTRIES REPORTS FINAL UNAUDITED LOSS .....APR 18 P. 8
COOK MOVES OFFICES .....MAY 09 P. 37
COOK REVEALS STUDY SHOWING IMPROPER PAYOUTS .....MAY 09 P. 41
COOK REQUESTS TRADING IN ITS STOCK BE HALTED .....MAY 30 P. 7
WILLARD SPARKS RESIGNS POSITION AT COOK INDUSTRIES .....MAY 30 P. 7
COOK EXPECTING $60-MILLION LOSS IN FOURTH QUARTER .....JUN 06 P. 1
COOK REDUCING ITS GRAIN MERCHANDISING .....JUL 04 P. 28
MEISTER NEW GENERAL MANAGER OF TERMINIX .....JUL 18 P. 6
COOK ANNOUNCES LENDING AGREEMENTS, REPORTS QUARTERLY, YEARLY LOSSES .....AUG 08 P. 2
COOK SELLING RIVERSIDE CHEMICAL .....AUG 15 P. 6
COOK STOCK RESUMES TRADING .....AUG 22 P. 2
COOK INDUSTRIES REPORTS $81 MILLION 1977 LOSS .....SEP 05 P. 8
MCADEN FORMS CONSULTING FIRM .....OCT 03 P. 4
COOK AGREES TO SELL RIVERSIDE TO TERRA CHEMICAL .....OCT 03 P. 7
UNAUDITED QUARTER RESULTS SHOW COOK GAIN .....OCT 10 P. 8
COOK UNAUDITED RESULTS REFLECT SALE OF ASSETS .....OCT 24 P. 8
JACOBS TO HEAD COOK GRAIN UNIT .....NOV 07 P. 7
COOK ANNOUNCES FT. WORTH OFFICE .....NOV 14 P. 45

D. A. COOPER
D. A. COOPER'S JOHNSON RETIRES .....JAN 10 P. 48
FEED VOLUME INCREASE PACES COOPER'S INCOME, SALES HIKE .....APR 04 P. 8
COOPER RELEASES SWEET GRAIN BASE .....OCT 03 P. 19

COOP MILL RIVAS
COMPUTER-CONTROLLED SILO .....MAR 28 P. E20

COUNTRY PRIDE FOODS, LTD.
J-M POULTRY CHANGES NAME .....NOV 14 P. 45

CRITIC MILLS, INC.
CRITIC MILLS LISTS MEETING SPEAKERS .....AUG 01 P. 22
INFORMATION CONFERENCE .....AUG 22 P. 42

CUTTER LABORATORIES
VITA PLUS TO DISTRIBUTE .....OCT 10 P. 39

CYCLONAIRE CORP.
CYCLONAIRE LICENSES BRITISH FIRM .....APR 25 P. 69

DAWE'S LABORATORIES, INC.
DAWE'S CITED IN DES DISPUTE .....JUL 04 P. 7
DAWE'S CHANGES PRICES ON DES PRODUCT LINE .....JUL 04 P. 30

DEGUSSA, INC.

DEGUSSA RAISES METHIONINE PRICE .....MAR 14 P. 8
DEGUSSA TO OPEN NEW METHIONINE PLANT IN ALABAMA THIS SUMMER .....MAR 21 P. 12
DEGUSSA RAISES DL-METHIONINE PRICES .....JUN 20 P. 10
DEGUSSA NAMES FOUR NEW SALES AGENTS .....OCT 10 P. 29
DEGUSSA SUBSIDIARIES MERGED .....OCT 17 P. 7

DEKALB AGRESEARCH, INC.
POULTRY SEMINAR .....MAY 23 P. 107
DEKALB'S FIRST NINE MONTHS SLIGHTLY AHEAD OF '76 .....AUG 15 P. 8
DEKALB EXPECTS TO DOUBLE SWINE BREEDING INVESTMENT BY 1981 .....OCT 31 P. 8
BETTER '77 DESPITE FEED, SEED LOSSES, DEKALB SAYS .....DEC 12 P. 6

DELAVAL SEPARATOR COMPANY
DELAVAL SPRAY DRYER PLANT DEDICATED .....JUN 27 P. 36

DELAWARE VALLEY FARMERS COOPERATIVE
DELAWARE VALLEY CO-OP REFUNDS $102,000 .....OCT 24 P. 51

DELMARVA POULTRY COOPERATIVE, INC.
POULTRY COOP SEEKS FEDERAL LOAN GUARANTEE .....FEB 21 P. 6
DELMARVA POULTRY CO-OP TO PROCESS MEMBERS' BROILERS .....AUG 01 P. 6
DELMARVA POULTRY CO-OP TO START PROCESSING BROILERS .....OCT 03 P. 7

DEPENDABLE FEED SERVICES, INC.
CLARIFICATION .....MAY 23 P. 71

DEW FRESH EGGS CORPORATION
MAKING THE MOST OF WASTE .....MAR 07 P. 22

DIAMOND CRYSTAL SALT CO.
DIAMOND CRYSTAL TO RAISE SALT PRICES .....JUL 11 P. 33

DIAMOND INTERNATIONAL CORPORATION
DIAMOND AUTOMATION SETS SERVICE SCHOOLS .....MAY 23 P. 70

DIAMOND SHAMROCK CORPORATION
DIAMOND SHAMROCK MARKETS OVERSEAS .....JAN 24 P. 34
DIAMOND SHAMROCK RAISES PRICES .....AUG 15 P. 39
DIAMOND SHAMROCK UPS CHOLINE PRICES 10% .....NOV 28 P. 6
DIAMOND SHAMROCK PLANT ON SCHEDULE .....DEC 26 P. 53

DIAMOND V. MILLS, INC.
DIAMOND V. MILLS DISTRICT MEN MEET .....AUG 08 P. 8

DIVERSIFIED IMPORTS, INC.
DIVERSIFIED IMPORTS DEDICATES OFFICES .....AUG 22 P. 50

DOMAIN INDUSTRIES, INC.
DOMAIN DIVIDEND .....FEB 14 P. 8
DOMAIN REPORTS 1977 SALES UP, EARNINGS DOWN .....APR 11 P. 8
DOMAIN DIVIDEND .....APR 18 P. 39
DOMAIN'S SWEDE LUNDELL RETIRES .....APR 18 P. 39

DOMAIN REPORTS 177 SALES UP, BUT EARNINGS DECLINE .....MAY 09 P. 8
DOMAIN INDUSTRIES ANNOUNCES FIRST QUARTER GAINS .....JUN 13 P. 8
DOMAIN INDUSTRIES REPORTS LOSS, PLANS REDUCTIONS .....SEP 12 P. 6
DOMAIN REPORTS QUARTER LOSS, SIX MONTH GAIN .....OCT 10 P. 8
DOMAIN DIVIDEND .....OCT 24 P. 15
QUARTERLY SALES, INCOME INCREASE AT DOMAIN INDUSTRIES .....DEC 12 P. 6

DOW CHEMICAL COMPANY
DOW OFFERS LIQUID CALCIUM PROCESS .....MAR 14 P. 22

LOUIS DREYFUS CORPORATION
DREYFUS LEASES K.C. ELEVATOR .....JUN 20 P. 5

DURVET, INC.
DURVET DIRECTORS .....DEC 19 P. 16

THE EARLY & DANIEL COMPANY, INC.
EARLY & DANIEL BUYS MINNEAPOLIS ELEVATOR .....FEB 07 P. 61
EARLY & DANIEL SET EXPORT PACT .....AUG 29 P. 3
EARLY & DANIEL ADDING STORAGE .....SEP 05 P. 8
EARLY & DANIEL OPENING COMMODITY TRADING BRANCH .....SEP 26 P. 8
E & D COMMODITY SERVICES OPERATING .....OCT 10 P. 8

ELDER FEED MILLS, INC.
ELDER FEED MILLS OPENS EXPANDED TEXAS FACILITIES .....NOV 28 P. 2

ESMARK, INC.
ESMARK'S RECORD SALES, NET FALLS SHORT OF 1976 GOALS .....FEB 14 P. 8
ESMARK HAS LOWER FIRST QUARTER EARNINGS .....MAR 07 P. 8
ESMARK REPORTS SALES, EARNINGS FOR FIRST QUARTER .....MAY 02 P. 9
ESMARK, SWIFT & CO. EARNING OFF FOR PERIOD .....JUN 06 P. 9
ESMARK'S THIRD QUARTER UP, NINE MONTHS OFF .....SEP 12 P. 6
ESMARK RESULTS HURT BY LOWER SWIFT EARNINGS .....DEC 19 P. 8

EUROPORT
NEW UNLOADERS FOR EUROPORT .....AUG 29 P. 32

EXPERIENCE, INC.
FIRM PLANS STUDY ON BARTERING .....JUL 04 P. 2

FS SERVICES, INC.
FS SERVICES OFFERED NEW FEEDING PROGRAMS IN 1976 .....JAN 03 P. 42
10 INTERNS AT FS .....JUN 13 P. 8
FS SERVICES DEDICATES FEED RESEARCH BUILDING .....JUL 11 P. 7
FS REPORTS RECORD SALES, PLANS SEED CORN FACILITY .....SEP 19 P. 10
FS SERVICES ELECTS .....OCT 03 P. 18

F-S-W CATTLE CO.
F-S-W ANNOUNCES ACQUISITIONS OF TEXAS FEEDLOTS .....OCT 03 P. 5

FALLS CITY PET FOOD, INC.
DICK JOHNSON FORMS FALLS CITY PET FOOD .....AUG 01 P. 19

FAMILY LINES SYSTEM
RAIL SYSTEM ORDERS HOPPERS .....JUN 13 P. 8

FAR-MAR-CO, INC.
FAR-MAR-CO TO OPEN WEST COAST OFFICE .....MAY 09 P. 8
FAR-MAR-CO DELAYS PROMARK DEADLINE .....NOV 14 P. 2

FARM BUREAU COOPERATIVE ASSN.
FARM BUREAU CO-OP'S NICKLESS RESIGNS .....OCT 31 P. 8

FARM BUREAU SERVICES, INC.
FARM BUREAU SERVICES SELLS EGG PRODUCTS .....MAY 16 P. 72
THE COST OF CONTAMINATED FEED .....JUL 11 P. 21
CORRECTION .....AUG 22 P. 8
FARM BUREAU SERVICES OFFERS MINERAL PROGRAM .....SEP 19 P. 43
CHARGES FILED IN FEED CONTAMINATION CASE .....DEC 05 P. 4

FARMERS COOPERATIVE
NEW GRAIN COMPLEX .....SEP 19 P. 7

FARMERS COOP ELEVATOR CO.
KANSAS COOP EXPANDS .....JAN 10 P. 54
NEW GRAIN ANNEX DESIGN, CONSTRUCTION .....MAR 07 P. 34

FARMERS COOP GRAIN & SUPPLY COMPANY
COOP ADDS ANNEX .....JAN 03 P. 30

FARMERS COOP SERVICE CENTERS
NEW FEED MILL, WAREHOUSE TO BE BUILT IN IOWA .....JAN 31 P. 8

FARMERS ELEVATOR CO.
IOWA FIRM TO EXPAND MILL .....JUL 11 P. 3

FARMERS GRAIN & LIVESTOCK CORPORATION
FEED FORMULATION PROGRAM OFFERED .....JAN 03 P. 37

FARMERS UNION COOP
ELEVATOR POSTPONED .....MAR 28 P. 20

FARMERS UNION GRAIN TERMINAL ASSN.
GTA'S GRAIN COMMITMENT PROGRAM MORE FLEXIBLE IN '77 .....MAR 21 P. 8
LOWER '76 PRICES, REDUCED YIELDS CUT GTA EARNINGS BY MORE THAN HALF .....NOV 21 P. 2
GTA OFFICERS .....DEC 12 P. 49
DOWN GOES THE WOODEN TERMINAL ELEVATOR .....DEC 26 P. 7

FARMLAND INDUSTRIES, INC.
FARMLAND OPENS NEW ENID ANHYDROUS PLANT .....JAN 17 P. 4
FAR-MAR-CO MEMBERS OKAY FARMLAND MERGER .....FEB 21 P. 1
'FEED BOOM' LEADS FARMLAND TO RECORD '76 SALES VOLUME .....FEB 28 P. 12
NEW BACON .....APR 11 P. 8
FILINGS COMPLETE; FARMLAND MERGES WITH FAR-MAR-CO .....MAY 09 P. 8

NEW FARMLAND MILL OPENS IN MCGREGOR, TEXAS .....JUL 18 P. 7
FARMLAND WILL BUILD TWO NEW FEED MILLS .....AUG 08 P. 2
SALES WINNERS .....OCT 03 P. 8
FARMLAND REPORTS RECORD SALES, DECLINE IN EARNINGS .....OCT 03 P. 8
FARMLAND DIRECTORS .....DEC 12 P. 49
FEED DIVISION UP, FARMLAND REPORTS HIGHER '77 SALES .....DEC 26 P. 8

FARM SERVICE COOPERATIVE
GOLD KIST, FSC AGREE TO MERGE .....DEC 05 P. 5

FAVORITE MFG., INC.
FAVORITE MFG. PLANS TO SELL OWN BRAND .....JAN 03 P. 7

FEDERAL COMPANY
FEDERAL CO. THIRD QUARTER EARNINGS DROP .....MAR 28 P. 8
FEDERAL CO. DIVIDEND .....APR 04 P. 8
FEDERAL DIVIDEND UP .....JUL 04 P. 28
FEDERAL CO. REVENUE UP, INCOME DOWN IN QUARTER, YEAR .....JUL 11 P. 6
FEDERAL CO. TO BUY NATIONAL BY-PRODUCTS .....SEP 12 P. 3
HOLLY FARMS SALES UP, BUT ANNUAL INCOME OFF .....SEP 12 P. 6
FEDERAL CO. EXPECTS QUARTERLY EARNINGS DECLINE .....SEP 26 P. 8
THE FEDERAL CO. QUARTERLY EARNINGS DROP .....OCT 10 P. 8
FEDERAL CO. AGREES TO BUY NATIONAL BY-PRODUCTS .....NOV 28 P. 60
FEDERAL DIVIDEND .....DEC 19 P. 8

FEED ASSOCIATES, INC.
NEW FEED PLANT .....JUL 18 P. 6

FEED BARN, INC.
PELLETED FEEDS MAKE UP 90% OF TEXAS MILL'S BUSINESS .....MAY 23 P. 68

FEED FLAVORS, INC.
FEED FLAVORS PROMOTES EXECS .....MAY 23 P. 12
FIRM DEVELOPS FEED FLAVORS .....SEP 12 P. 43
FEED FLAVOURS NAMES NEW MANAGING DIRECTOR .....SEP 12 P. 44

FEED INGREDIENTS, LTD.
INGREDIENT FIRM FORMED IN CANADA .....NOV 07 P. 7

FERMENTED PRODUCTS COMPANY
FERMENTED PRODUCTS EXPANDS OPERATIONS, PROMOTES EXECUTIVES .....JUN 06 P. 25

FLAVORLAND INDUSTRIES, INC.
DIRECTORS APPROVE FLAVORLAND INTO FOXLEY MERGER .....JAN 17 P. 7

FLINTROL, INC.
FLINTROL, INC. BUYS ECOLOGY TECH, INC. .....JAN 10 P. 37

FLOWERS INDUSTRIES, INC.
FLOWERS INDUSTRIES INCREASES DIVIDEND .....AUG 29 P. 6

H. FORS & CO.

SWEDES PLAN TOTALLY COMPUTER CONTROLLED MILL .....OCT 17 P. 16

FORTAMIX
FORTAMIX HAS ONTARIO FEED CONFERENCE .....MAY 23 P. 112

FORT ORANGE FEED CO.
COMPANY ADDS MINERAL SUPPLEMENT TO CORN SILAGE DURING SILO FILLING .....NOV 28 P. 64

FOSTER WHEELER CORP.
FOSTER WHEELER CORP. BUYS INDUSTRY GENERAL .....DEC 19 P. 33

M. E. FRANKS, INC.
M. E. FRANKS LISTS NEW BOARD OFFICERS .....JUN 20 P. 6

FRESH FARM MILK, INC.
DAIRYMEN FORM CORPORATION, PLAN $1.2-MILLION PLANT .....JAN 24 P. 55

H. J. FULLER & SONS, INC.
FULLER, EMORY AGREE ON MERGER PLAN .....JUL 25 P. 53

GB FERMENTATION INDUSTRIES, INC.
NEW FIRM ENTERS U.S. MARKET .....OCT 03 P. 13

GARRISON PRODUCTS, INC.
GARRISON PRODUCTS TO PRODUCE SOY 'MEAT ANALOGS' .....JUL 04 P. 20

GARVEY GRAIN CO.
EXPLOSION KILLS 2 .....AUG 08 P. 37

GEERLINGS FEED MILLS
GEERLINGS ELECTS NEW DIRECTORS .....AUG 01 P. 6

GELDERMANN & COMPANY, INC.
ROCCA TO MANAGE NEW GELDERMANN & CO. .....FEB 14 P. 51
GELDERMANN & CO. HAS NEW OFFICERS .....JUL 25 P. 76

GENERAL FOODS CORP.
GENERAL FOODS OFFERS DOG FOOD .....FEB 21 P. 39
GENERAL FOODS SALES INCREASE NEARS $100 MILLION .....JUN 20 P. 36

GENERAL GRAIN, INC.
ACME-EVANS EXPANDING INDIANAPOLIS PLANT .....JUN 27 P. 42

GENERAL MILLS, INC.
KINNEY, ATWATER NAMED GENERAL MILLS' OFFICERS .....JAN 31 P. 8
GENERAL MILLS, DAWSON MILLS SIGN PROTEIN AGREEMENT .....FEB 07 P. 8
GENERAL MILLS NEARS SALE OF CHEMICALS GROUP .....MAY 02 P. 9

GENERAL RESOURCE CORPORATION
GENERAL RESOURCE OFFICE .....JAN 17 P. 28

GERBER INDUSTRIES

BERBER INDUSTRIES TO OBSERVE 100 YEARS .....DEC 12 P. 28

GILLIS AGRICULTURAL SYSTEMS
GILLIS AG SYSTEMS .....MAR 14 P. 37
PROGRESS ON SCHEDULE AT GILLIS FACILITY .....OCT 31 P. 8

GOLDEN PRIDE, INC.
GOLDEN PRIDE TO EXPAND UNDER NEW OWNERSHIP .....NOV 21 P. 6

GOLDEN SUN FEEDS, INC.
FEED FIRM AGENCY .....APR 25 P. 52

GOLD KIST, INC.
MAJOR DIVISIONAL REORGANIZATION SET BY GOLD KIST .....MAY 30 P. 7
GOLD KIST OFFICIAL PREDICTS RECORD ANNUAL VOLUME .....JUL 04 P. 7
GOLD KIST TO CLOSE PORK PLANT .....JUL 18 P. 2
GOLD KIST REVEALS IT WILL DROP TAX-EXEMPT STATUS .....AUG 01 P. 4
GOLD KIST RUNS CARTER WAREHOUSE .....SEP 05 P. 8
GOLD KIST BUYS PURINA POULTRY FACILITIES .....OCT 17 P. 2
ROMANIA TO BUY GOLD KIST SORGHUM .....NOV 14 P. 34
CARTER BUSINESS FOR SALE .....NOV 21 P. 6
GOLD KIST TOPS RECORD $1-BILLION VOLUME LEVEL .....NOV 21 P. 6
GOLD KIST VOLUME TOPS $1 BILLION; MARGINS DECLINE .....DEC 05 P. 2
GOLD KIST NAMES NEW OFFICERS .....DEC 12 P. 6
DRIVE NAMED FOR GOLD KIST'S BROOKS .....DEC 26 P. 8

GOLD LABEL FEEDS, INC.
GOLD LABEL NAMES TOP DEALERS FOR '76 .....FEB 07 P. 55

GOOCH FEED MILL CORPORATION
GOOCH FEED MILL INSTALLS LAB SPECTROPHOTOMETER .....MAR 28 P. E15

GORDON COUNTRY GRAIN CO., INC.
CARTER'S SON STARTS GRAIN FIRM .....AUG 01 P. 3
JACK CARTER STAKES FUTURE ON GRAIN BUSINESS IN RURAL GEORGIA VENTURE .....NOV 14 P. 5

GOSSETT NUTRITION, INC.
GOSSETT NUTRITION MARKS ONE YEAR .....JUN 20 P. 6

W. R. GRACE & COMPANY
'76 SALES, INCOME FOR GRACE'S FEED OPERATIONS RISE .....APR 18 P. 29
W. R. GRACE REPORTS ROSY RESULTS .....NOV 14 P. 8

GRACO FERTILIZER COMPANY
GRACO BREAKS GROUND FOR PLANT .....APR 11 P. 34

GRAINEX CANADA LTD.
GRAINEX LTD. FORMED IN BRITISH COLUMBIA .....MAR 28 P. 8

GREAT WALL ENTERPRISE CO., LTD.
FIRM BUILDS FEED PLANT IN TAIWAN .....JAN 24 P. 12

GULF & WESTERN INDUSTRIES, INC.

CATTLE AND CITRUS LAND IN FLORIDA SOLD .....DEC 05 P. 15

H&N, INC.
H&N OPENS NEW OFFICE, HATCHERY .....DEC 26 P. 6

H & W SERVICES, INC.
H&W SERVICES WILL BE INDUSTRY CONSULTANT .....JAN 03 P. 17

HANMAR COMPANY
VITAMIN PRE-MIX COMPANY FORMED .....JAN 31 P. 8

HAPPY HOLME FARMS, INC.
FIRE HITS MILL IN CALIFORNIA .....AUG 01 P. 4

H. W. HART MFG., CO.
HART DISTRIBUTOR .....JUL 25 P. 73
H. W. HART OPENS NEW ARKANSAS OFFICE .....NOV 21 P. 43

HARVEST INDUSTRIES, INC.
HARVEST INDUSTRIES SALES UP, INCOME OFF .....MAY 09 P. 8
ELECTRONICS FIRM MAKES OFFER FOR 51% OF HARVEST INDUSTRIES SHARES .....MAY 23 P. 12
HARVEST INDUSTRIES LOOKS FOR FASTER GROWTH AS RESULT OF ALTAIR STOCK OFFER .....MAY 30 P. 7
KUTCHES NAMED TO HEAD HARVEST GROUP .....JUN 13 P. 2
HARVEST INDUSTRIES SALES UP, EARNINGS OFF .....AUG 29 P. 6
HARVEST INDUSTRIES REPORTS LOSS FOR NINE MONTHS .....NOV 21 P. 7

THE HEIL COMPANY
HEIL GOING METRIC .....JAN 03 P. 35
TRAILER PRODUCTION PLANT .....MAR 28 P. E18

HEUBLEIN, INC.
KFC PRICE DROP REFLECTS CHICKEN PRICES, SUPPLY .....JAN 10 P. 10
HEUBLEIN SIX-MONTH NET INCOME, SALES UP .....FEB 07 P. 8
HEUBLEIN DIVIDEND .....FEB 14 P. 55
HEUBLEIN CITES WEAK KFC SALES IN QUARTER .....APR 25 P. 6
NEW YORKERS PLAN KFC CHAIN IN ISRAEL .....JUL 04 P. 7
HEUBLEIN EARNINGS DOWN 64% IN FOURTH QUARTER .....AUG 01 P. 6
HEUBLEIN DIVIDEND .....SEP 05 P. 38
HEUBLEIN: KENTUCKY FRIED FACTOR IN EARNINGS DROP .....OCT 10 P. 8
HEUBLEIN INCOME DOWN 29% IN FIRST QUARTER .....NOV 07 P. 7

HEYING FARMS
BACTERIA POWER GENERATOR, PRODUCE FERTILIZER IN IOWA .....OCT 24 P. 6

HILLCREST FOODS, INC.
HILLCREST MOVING INTO HIGH GEAR WITH PURE 1 BRAND .....JAN 24 P. 1
PROMOTION RANG A BELL .....JUL 11 P. 18

HOFFMAN-LA ROCHE, INC.
ROCHE HIKES VITAMIN A PRICE .....JAN 03 P. 6
BROILER PROMOTION .....SEP 05 P. 6
TWO BUILDING PROJECTS ANNOUNCED BY ROCHE .....NOV 28 P. 37

ROCHE SCHOOLS TO INCLUDE EGGS .....DEC 26 P. 17

HOLLY FARMS
HOLLY FARMS PLANNING SEWAGE PROCESSING PLANT .....JUN 13 P. 21
PARKER FORMS CONSULTANT FIRM .....OCT 03 P. 5

HOOKER CHEMICAL CORPORATION
HOOKER CHEMICAL ACQUIRES ALL ZOECON STOCK .....JUL 04 P. 7

HOOVER BALL & BEARING CO.
CONTINENTAL TO BECOME DIVISION OF HOOVER CO. .....OCT 24 P. 34

HUBBARD MILLING COMPANY
HUBBARD BUILDING NEW FEED MILL, EXPANDING FACILITIES AT INDIANA SITE .....JUN 13 P. 8
HUBBARD COUNCIL LOOKS AT GROWTH .....JUL 11 P. 6
HUBBARD MILLING BUYS MURPHY FEED BUSINESS .....AUG 01 P. 1
FFA JUDGING AT HUBBARD .....AUG 08 P. 8
MURPHY PLANTS FILL GAP IN HUBBARD FEED DISTRIBUTION .....AUG 15 P. 5
AUBREY-HUBBARD MERGE .....OCT 03 P. 1
HUBBARD MILLING, AUBREY FEEDS ANNOUNCE MERGER .....OCT 03 P. 8
DIET DOG FOOD .....OCT 10 P. 8
TRACTOR WINNERS .....NOV 28 P. 66

HUDSON FOODS
PLANT MAKES FEATHERS, OFFAL INTO PROTEIN .....JAN 03 P. 42

HUNTTING ELEVATOR COMPANY
MILL EXPLODES IN MINNESOTA .....JAN 24 P. 105

HY-LINE INTERNATIONAL
HY-LINE EXPANDS FARM; GOAL IS 100,000 PARENTS .....OCT 24 P. 15

ICI AMERICAS, INC.
DRUG INTRODUCED IN CANADA .....DEC 12 P. 41

INDIANA FARM BUREAU COOPERATIVE ASSN.
GRAIN TERMINAL REPAIRS PLANNED BEFORE HARVEST .....JUL 25 P. 69
INDIANA FARM BUREAU TO MOVE OFFICES .....AUG 08 P. 8
WORKING TOGETHER WITH CHICKS .....OCT 31 P. 16
DAMAGED INDIANA TERMINAL OPERATING .....DEC 05 P. 6

INGERSOLL-RAND CO.
INGERSOLL-RAND OFFERS SEPARATION EQUIPMENT .....SEP 19 P. 25

INTERCOUNTY FARMERS' COOPERATIVE ASSN.
CO-OP REPORTS SERVICE REQUESTS .....APR 11 P. 7

INTERNATIONAL MINERALS & CHEMICAL CORP.
IMC WILL BUILD DEFLUORINATED PHOSPHATE PLANT .....FEB 07 P. 8
IMC CONFERENCE WILL LOOK AT PHOSPHORUS .....JUN 20 P. 23
IMC TO ADJUST PRICE OF CHOLINE CHLORIDE .....SEP 12 P. 6
IMC FLORIDA PHOSPHATE PLANT NOW OPERATIONAL .....OCT 17 P. 26

CALCIUM, PHOSPHATE PLANT IN OPERATION .....NOV 28 P. 65
IMC MINERALS CONFERENCE SET FOR JAN. 11 .....DEC 05 P. 22
IMC INCREASES CHOLINE PRICES .....DEC 12 P. 6

INTERNATIONAL MULTIFOODS CORP.
WORKMAN RETIRES FROM MULTIFOODS .....JAN 03 P. 21
MULTIFOODS TO ACQUIRE MEXICAN-STYLE FAST FOOD CHAIN .....JAN 17 P. 7
MULTIFOODS DIVIDEND .....MAR 14 P. 8
MULTIFOODS BUYS DIXIE MILLS COMPANY .....MAR 28 P. 8
MULTIFOODS SHOWS EARNINGS RISE ON RECORD SALES .....APR 25 P. 6
GAINS FOR SUPERSWEET FEEDS DOUBLED U.S. AVERAGE .....MAY 23 P. 12
MULTIFOODS RAISES DIVIDEND, NAMES DIXON .....MAY 23 P. 106
MULTIFOODS SAYS AG PRODUCTS PERFORMING WELL .....JUN 20 P. 5
MULTIFOODS ACQUIRES GILDERSLEEVE SEED .....AUG 22 P. 46
MULTIFOODS EARNINGS STEADY, SALES LOWER .....SEP 26 P. 8
MULTIFOODS DIVIDEND .....SEP 26 P. 81
SUPERSWEET OFFERS 3-TIER DAIRY FEEDING PROGRAM .....OCT 31 P. 1
MULTIFOODS DIVIDEND .....DEC 05 P. 41
SUPERSWEET PROGRAM .....DEC 12 P. 31
AG PRODUCTS HELP MULTIFOODS .....DEC 26 P. 4

INTERNATIONAL STOCK FOOD CORPORATION
PERFORMANCE OF SILAGE ADDITIVE IS REPORTED .....JUN 13 P. 45

IOWA BEEF PROCESSORS, INC.
SECOND IOWA FOOD CONFERENCE SET .....MAY 23 P. 84
IOWA BEEF MAKES PACT WITH NORTHWEST FEEDLOTS; P&SA CLOSELY WATCHES AGREEMENT .....AUG 22 P. 3

J. C. PENNEY CO.
J. C. PENNEY TO SELL, CLOSE SUPERMARKETS .....AUG 08 P. 7

J-M POULTRY PACKING COMPANY
J-M POULTRY PLANS LOUISIANA PLANT, HATCHERY .....JAN 31 P. 7
MERKLE WILL BE J-M PRESIDENT .....MAY 02 P. 9
J-M POULTRY BUYS MURPHY HATCHERY .....SEP 12 P. 8

JACEY HUTTAR & COMPANY
POULTRY CONSULTANT FIRM ESTABLISHED .....MAY 16 P. 6

JARVIS CORPORATION
JARVIS CORP. ACQUIRES WATSON, FORMS DIVISION .....MAR 28 P. E20
SOVIETS IN KANSAS .....OCT 24 P. 13

JEROME FOODS, INC.
JEROME FOODS: COMMITTED TO DOING WHAT IT DOES BEST .....OCT 31 P. 20

GORDON JOHNSON COMPANY
FIRM REORGANIZES MARKETING EFFORT .....MAY 30 P. 36

W. B. JOHNSTON GRAIN CO.
JOHNSTON GRAIN PLANS EXPANSION AT ENID TERMINAL .....AUG 29 P. 6
W. B. JOHNSTON EXPANDING ENID GRAIN TERMINAL .....OCT 24 P. 8

KANE-MILLER CORPORATION
KANE-MILLER ACQUIRES CHEESE-MAKING FIRM .....JAN 17 P. 7
KANE-MILLER NET INCOME OFF ON RECORD 1976 SALES .....FEB 28 P. 12
KANE-MILLER FOOD ECOLOGY, BEEF GROUPS LEAD '76 SALES .....APR 18 P. 8
KANE-MILLER HAS RECORD QUARTER SALES, EARNINGS OFF .....MAY 09 P. 8
KANE-MILLER TO EXPAND ITS GREAT PLAINS BEEF PLANT .....MAY 16 P. 17
KANE-MILLER PLANS BAKERY WASTE FACILITY .....JUN 06 P. 22
KANE-MILLER CORP. HAS RECORD SALES, FOR QUARTER .....JUL 25 P. 8
KANE-MILLER CORP. REPORTS SALES UP, INCOME DOWN .....AUG 22 P. 8
KANE-MILLER PLANS BAKERY WASTE PLANT .....AUG 29 P. 6
KANE-MILLER SCALES DOWN EARNINGS PROJECTIONS .....SEP 05 P. 8
KANE-MILLER REPORTS QUARTERLY, NINE-MONTH INCOME DOWN .....OCT 24 P. 8
KANE-MILLER DIVIDEND .....OCT 31 P. 33
KANE MILLER BEEF PLANT STOPS OPERATION .....NOV 14 P. 5
NEW POULTRY FACILITY .....NOV 28 P. 4

KEEN AGRI-SUPPLY CO., INC.
FEED IS MAIN COMMODITY FOR FARM SUPPLIER .....AUG 01 P. 18

KEMIN INDUSTRIES
KEMIN OPENS NEW HEADQUARTERS .....MAR 28 P. 9

KENT FEEDS, INC.
KENT HONORS TOP SALESMEN .....AUG 22 P. 8
KENT SLATES OPEN HOUSE FOR NEW FEED PLANT .....OCT 31 P. 6

KITSON SYSTEMS CO.
KITSON SYSTEMS FORMED IN MICHIGAN .....JUL 25 P. 53

KLEMME COOPERATIVE GRAIN CO.
FEEDER PIG, POULTRY PROGRAMS SPUR FEED BUSINESS AT KLEMME COOPERATIVE .....DEC 19 P. 22

KNAPPEN MOLASSES CO.
PURINA, KNAPPEN BUY PLANTS FROM ALLIED CHEMICAL .....AUG 08 P. 1

KOPPEL, INC.
KOPPEL OPENS NEBRASKA OFFICE .....OCT 03 P. 55

KOPPERS CO., INC.
SPROUT-WALDRON IN UK .....FEB 21 P. 13

O. H. KRUSE GRAIN & MILLING CO.
KRUSE PURCHASES ELEVATOR AT COLTON .....NOV 07 P. 42

KUNATH FUTTER AG
KUNATH FUTTER AG, SWISS FEED FIRM, MARKS 50TH YEAR .....JAN 31 P. 7

L & D GRAIN COMPANY
NEW FIRM TO BUILD N.C. GRAIN FACILITY .....JAN 03 P. 20

LANDMARK, INC.

LANDMARK BUYS LAND IN OHIO .....MAR 07 P. 8
LANDMARK'S 1976 VOLUME AT RECORD LEVEL .....MAR 14 P. 8

LAND O'LAKES, INC.
LAND O'LAKES' FEED TONNAGE UP 17%; SALES UP 40% .....FEB 28 P. 5
LAND O'LAKES SPRECHER RETIRES .....FEB 28 P. 11
LAND O'LAKES, MIDLAND MERGER DROPPED .....FEB 28 P. 70
LAND O'LAKES COVERS GMPS, QUALITY CONTROL IN SEMINARS .....MAY 23 P. 70
LAND O'LAKES TO BUILD FEED PLANTS IN TWO STATES .....JUL 18 P. 7
LAND O'LAKES BUILDING NEW WISCONSIN PLANT .....SEP 19 P. 1
LAND O'LAKES REPORTS IMPROVED FIRST HALF .....SEP 19 P. 7
SPLITTING THE DIFFERENCE .....OCT 10 P. 6
LAND O'LAKES SETS '78 GOAL OF 1,000 FEEDER PIGS WEEKLY .....OCT 24 P. 1
LAND O'LAKES BEGINS BUILDING TWO FEED PLANTS .....NOV 21 P. 7
RICHEY ANNIVERSARY .....NOV 28 P. 66

LANE POULTRY COMPANY
HEUBLEIN SELLS SPRING VALLEY FARMS TO LANE .....MAY 02 P. 9

LAVERTY ELEVATOR, INC.
STORAGE ANNEX .....AUG 29 P. 33

LAWRENCE ROSNER ASSOCIATES
ROSNER FORMS ADVISORY FIRM .....AUG 08 P. 8

ELI LILLY & COMPANY
JAMES LAKE NAMED NEW ELANCO PRESIDENT .....FEB 07 P. 8

LOEWI & CO., INC.
LOEWI TO BROKER ACTUAL INGREDIENTS .....OCT 17 P. 19

LONG ISLAND DUCK RESEARCH COOPERATIVE, INC.
LONG ISLAND CO-OP APPROVED FOR DUCK VACCINE .....NOV 28 P. 66

LONZA, INC.
LONZA BUILDS PLANT IN TEXAS .....OCT 24 P. 54

LOOMIX, INC.
LOOMIX MARKETS GRASS SUPPLEMENT .....APR 11 P. 14
LOOMIX INCENTIVE: WEEK IN HAWAII .....SEP 05 P. 5
LOOMIX MARKS 25TH YEAR IN LIQUID FEEDS .....SEP 12 P. 4
LOOMIX AWARDS MANAGER .....NOV 21 P. 19

LUTZ FEED COMPANY
LUTZ HONORED .....MAY 09 P. 5

MFC SERVICES
MFC STARTS OPERATION OF RIVERSIDE ACQUISITIONS .....OCT 03 P. 7
MFC BEGINS MISSISSIPPI FEED MILL CONSTRUCTION .....DEC 12 P. 2
MFC PLANS TO OPEN EGG PLANT .....DEC 12 P. 16

MAC KENZIE (KENYA) LTD.

DUTCH FIRM SELLS FERTILIZER PLANT IN EAST AFRICA .....OCT 17 P. 19

MAINE COAST POULTRY & EGG CO-OP
EGG PRODUCERS PLAN COOPERATIVE IN CENTRAL MAINE .....NOV 28 P. 4

MALLINCKRODT, INC.
MALLINCKRODT RAISES PROPRIONATE PRICES .....MAR 14 P. 23

MARIETTA CHEMICALS
MARTIN MARIETTA RE-OPENS PLANT .....MAY 23 P. 74

MAR-JAC, INC.
WARD, MORRIS NAMED TO MAR-JAC POSTS .....APR 11 P. 8

MARSHALL DURBIN COMPANY
MARSHALL DURBIN PLANS MISSISSIPPI POULTRY COMPLEX .....JUN 27 P. 5

MARSHALL FOODS, INC.
MARSHALL FOODS BUYS NON-FOOD BUSINESS .....JUL 11 P. 23
MARSHALL FOODS REBOUNDS FROM 1976, SEEKS STABILITY .....JUL 25 P. 8
FIRE STRIKES WAREHOUSE AT MARSHALL FOODS .....AUG 08 P. 36
MARSHALL FOODS REPORTS EARNINGS, SALES INCREASES .....SEP 05 P. 8
MARSHALL FOODS REPORTS HIGHER SALES, EARNINGS .....NOV 21 P. 7
MARSHALL FOODS DOUBLES QUARTERLY INCOME .....DEC 26 P. 8

MARSHFIELD MILLING CO.
VITA PLUS NAMES NEW DISTRIBUTOR .....JUL 25 P. 69

MARTIN-DECKER COMPANY
MARTIN-DECKER ACQUIRES FIRMS .....JAN 03 P. 7

MASONITE CORPORATION
MASONEX SALES AGENT .....MAY 23 P. 96
MASONITE WILL INTRODUCE NEW LIQUID SUPPLEMENT .....NOV 07 P. 3

MCALESTER MILLING COMPANY
BIG V FEEDS TO REPLACE BURNED OKLAHOMA MILL .....APR 25 P. 43

MCANALLY ENTERPRISES
MCANALLY BUYS TWO MIDWESTERN EGG COMPANIES .....MAR 14 P. 6

MCDANIEL GRAIN & FEED CO.
OREGON FEED MANUFACTURER DESIGNS MILL FOR CHANGING MARKET .....SEP 19 P. 24

MCDONALD'S CORP.
MCDONALD'S WILL BUY FED CATTLE IF MARKET IS RIGHT .....DEC 12 P. 4

MCELRATH FARMS, INC.
NEW MILL BEING BUILT .....NOV 28 P. 65

MEIJI SEIKA KAISHA, LTD.
PTX NAMED U.S. AGENT .....JAN 17 P. 26

MERCK & COMPANY, INC.
POULTRY SCIENCE GRANT .....APR 11 P. 6
MERCK MERGES TWO DEPARTMENTS .....JUL 25 P. 8
MERCK TO SPONSOR POULTRY AWARD .....AUG 08 P. 7
MERCK FARM .....NOV 28 P. 37

MERRICK FOODS
MERRICK FOODS ENTERS HUMAN FOODS BUSINESS .....OCT 17 P. 25

MIDLAND COOPERATIVES, INC.
MIDLAND REPORTS RECORD '76 SALES, LOWER MARGINS .....MAR 28 P. 1
MIDLAND'S MILL AT ASHLAND, WIS., NOW OPERATING .....OCT 24 P. 5

MIDWEST HATCHERY & POULTRY FARMS
MIDWEST HATCHERY TO DOUBLE CAPACITY .....NOV 28 P. 42

MILBREW, INC.
MILBREW, INC. OPENS ALCOHOL FACILITY .....JAN 03 P. 6

MILLER PUBLISHING CO.
MILLER PUBLISHING EDITORS PROMOTED .....JAN 03 P. 2
COMMERCIAL CATTLE FEEDER OF YEAR NAMED .....FEB 14 P. 5
NEBRASKAN NAMED '77 FARMER-FEEDER .....FEB 28 P. 8
1977 HOG PRODUCER OF TOMORROW NAMED .....MAR 14 P. 5
FARM STORE MERCHANDISING TO HOLD TRADE SHOW IN JANUARY .....MAR 28 P. 4
MILLER SCHOLARSHIPS .....MAY 23 P. 107
MILLER SCHOLARSHIP .....MAY 30 P. 18
"PERFECT 36" TENNIS GROUP RALLIES FOR AFMA EVENT .....JUN 06 P. 8
LEIDAHL, SMITH JOIN FEEDSTUFFS .....JUN 13 P. 2
MILLER SCHOLARSHIP .....JUN 27 P. 16
FEED TONNAGE UP 4% IN 1976, ISSUE REPORTS .....JUL 18 P. 2
MILLER SCHOLARSHIP .....AUG 08 P. 21
FEEDSTUFFS IN INDUSTRY LIBRARIES .....AUG 15 P. 5
AGENDA, EXHIBITORS SET FOR JANUARY TRADE SHOW, MERCHANDISING MEETING .....AUG 29 P. 2
MILLER SCHOLARSHIP .....AUG 29 P. 34
'78 COMPENDIUM IS PUBLISHED .....OCT 03 P. 4
DOLE TO ADDRESS FARM STORE SHOW .....DEC 26 P. 1

MISSOURI FARMERS ASSN.
MFA TO REBUILD GRAIN ELEVATOR .....NOV 07 P. 10

MONFORT OF COLORADO, INC.
MONFORT SALES UP, BUT STILL LOSES MONEY .....JAN 03 P. 7
FACTORS COMBINE TO FORCE MONFORT INTO LOSS POSITION .....JAN 17 P. 20
MONFORT LIGHTING FOUND EFFICIENT; MONEY-SAVER, TOO .....MAR 21 P. 20
MONFORT REVERSES STRING OF LOSSES .....APR 04 P. 8
MONFORT LANDS IN PLUS COLUMN; SALES DOWN .....JUN 27 P. 5
MONFORT INCREASES LAMB SLAUGHTER 33% .....OCT 10 P. 14
MONFORT REPORTS PROFIT FOR 1977 OF $1.8 MILLION .....NOV 21 P. 4

MONOFLO & BROILER EQUIPMENT CO., INC.

MONOFLO, BRITISH FIRM TO MANUFACTURE DRINKER .....MAR 21 P. 42

MONSANTO CO.
CHEMICALS EXPLAINED .....OCT 10 P. 4

MONTGOMERY ASSOCIATES
LANE NEW PRESIDENT OF MONTGOMERY FIRM .....DEC 19 P. 8

MOORMAN MFG. CO.
MOORMAN MFG. MAKES SCHOLARSHIP GRANT .....JAN 24 P. 29
YOUNG PORK PRODUCERS .....FEB 14 P. 11
FIRST FEED MICROSCOPY COURSE IN MEXICO HELD .....MAR 14 P. 23
MOORMAN TRAVEL AWARD TO CROMWELL .....OCT 10 P. 4

MORTON SALT
MORTON SALT TO RAISE PRICES .....AUG 15 P. 27

MOUNTAINSIDE BUTTER & EGG CO.
EGG FIRM CHARGED BY USDA, WILL COMPLY .....FEB 21 P. 5

MURPHY PRODUCTS COMPANY
FEED, DUCKS ARE LESS THAN 5% OF SCHILTZ NET SALES .....APR 04 P. 8
HUBBARD MILLING BUYS MURPHY FEED BUSINESS .....AUG 01 P. 1
MURPHY GROUP HEARS POW VET .....OCT 24 P. 17
4-H AWARD FOR MURPHY .....DEC 26 P. 5

MURPHY-RODGERS, INC.
EAST OFFICE OPENED BY MURPHY-RODGERS .....JUN 27 P. 36

NCR CORPORATION
NCR MARKETING 'FEED INFORMATION SYSTEM' .....MAY 16 P. 42

NAREMCO, INC.
FIRM TO APPEAL LATEST RULING ON GENTIAN BIOLET USE .....MAY 09 P. 5
COURT TURNS DOWN LATEST GENTIAN VIOLET APPEAL .....JUN 06 P. 7
GENTIAN VIOLET MAKER ASKS TRADE HELP WITH FDA .....JUL 04 P. 6

NATIONAL BY-PRODUCTS, INC.
NAT. BY-PRODUCTS HAS HIGHER SALES, EARNINGS IN '76 .....APR 11 P. 8
NATIONAL BY-PRODUCTS REPORTS BETTER QUARTER, HALF .....AUG 15 P. 8
NATIONAL BY-PRODUCTS HAS WEAKER QUARTER .....NOV 21 P. 7

NATIONAL FOOD CORP.
NATIONAL FOOD STARTS POULTRY FEED MILL .....OCT 10 P. 5

NATIONAL MOLASSES COMPANY
ONE NEW NATIONAL MOLASSES DIVISION FORMED FROM TWO .....JAN 17 P. 7
NAMOLCO DEALERS HONORED .....APR 25 P. 4

NATIONAL PET FOOD CORP.
DIET PET FOOD .....AUG 22 P. 5

NATIONAL VITAMIN PRODUCTS CO.

NATIONAL VITAMIN REP .....AUG 08 P. 14

NEPERA CHEMICAL CO.
NEPERA PLANS NIACIN EXPANSION .....DEC 26 P. 46

NITRIGIN EIREANN TEORANTA (NET)
MARKETING AGREEMENT .....MAY 23 P. 112

NORFOLK FEED MILLS
NORFOLK SCHOLARSHIP .....DEC 19 P. 26

NORIN CORPORATION
NORIN TO SELL INSURANCE BUSINESS .....JAN 03 P. 11
NORIN CORP. AGREES TO ACQUIRE PROTEIN COMPANIES .....FEB 07 P. 8
NORIN PURCHASES 60% OF MEAT PRODUCTS FIRM .....MAR 28 P. 8
CANADIAN CURRENCY DEVALUATION HURTS NORIN RESULTS .....MAY 23 P. 12
NORIN WANTS REMAINING MAPLE LEAF STOCK .....NOV 14 P. 5
THIRD QUARTER EARNINGS INCREASE AT NORIN CORP. .....NOV 28 P. 61
NORIN EXTENDS MAPLE LEAF OFFER .....DEC 12 P. 45

NORTHLAND TURKEY FARMS, INC.
WISCONSIN'S OLDEST INDEPENDENT PRODUCER SEES FUTURE IN PARTS, SPECIALTIES .....JAN 10 P. 35

OCCO
OCCO PRESIDENT'S CLUB .....AUG 08 P. 14

OHIO FARMERS, INC.
OHIO FARMERS REPORTS RECORD SALES, EARNINGS .....JAN 31 P. 8
OHIO FARMERS' NELSON COTTON RETIRES .....JUL 25 P. 53

OLSON FARMS, INC.
OLSON FARMS NAMES ALEXANDER .....JAN 17 P. 1
OLSON FARMS ANNUAL INCOME DOWN, SALES UP .....APR 18 P. 8
OLSON FARMS NET INCOME OFF, SALES UP .....JUN 06 P. 9
OLSON FARMS, INC. .....NOV 21 P. 7

OWLKILL FARM
FIRM MULLS REPLACING BURNED LAYER HOUSE .....JUN 27 P. 5

PAN AMERICAN MILLS, INC.
PAN AMERICAN FACILITY .....JAN 31 P. 16

PEAVEY COMPANY
PEAVEY TO BUY S & S FARM STORES .....JAN 31 P. 8
PEAVEY'S F. B. WELLS RETIRED FEB. 1 .....FEB 07 P. 42
PEAVEY EARNINGS DOWN IN HALF .....MAR 07 P. 5
PEAVEY DIVIDEND .....MAR 14 P. 50
PEAVEY'S THIRD QUARTER, NINE MONTHS OFF .....JUN 06 P. 9
PEAVEY DIVIDENDS .....JUN 20 P. 21
PEAVEY SELLS CRAFT VILLAGE STORES .....AUG 08 P. 8
CORRIGAN TO RETIRE FROM PEAVEY; STOCKS TO BE CEO .....AUG 15 P. 2
PEAVEY ANNOUNCES REORGANIZATION OF NORTHWEST DIVISION .....AUG 22 P. 1

PEAVEY DIVIDENDS .....SEP 12 P. 43
GREENE TO RETIRE, PEAVEY REALIGNS PRESIDENT'S OFFICE .....SEP 19 P. 5
PEAVEY EARNINGS, SALES DROP FROM PREVIOUS YEAR .....SEP 26 P. 6
PEAVEY HONORS SALESMEN .....OCT 01 P. 24
PEAVEY STATES NEW FARM CENTER OPENING OCT. 29 .....OCT 24 P. 8
PEAVEY RAISES CAPITAL EXPENDITURES TO $34 MILLION .....NOV 07 P. 7
ROBERT ZINN RETIRES FROM PEAVEY CO. .....NOV 07 P. 7
PEAVEY FARM CENTER DEDICATION .....NOV 28 P. 40
PEAVEY EARNINGS UP SLIGHTLY ON LOWER SALES .....DEC 12 P. 6
PEAVEY DIVIDEND .....DEC 12 P. 6

PENNFIELD CORPORATION
PENNFIELD AGENCY .....MAY 30 P. 16
PENNFIELD OPEN HOUSE HELD AT NEW FEED MILL .....OCT 10 P. 6
OPEN HOUSE .....OCT 17 P. 1
PENNFIELD ANNOUNCES FEED LINES BASED ON PROTEIN USE .....DEC 26 P. 15

PERDUE, INC.
PERDUE BUYS SWIFT BROILER OPERATION .....MAR 28 P. 5

PETERSON INDUSTRIES
FIRM FETED FOR TRADE .....JUN 20 P. 10

PETERSON INTERNATIONAL, INC.
PETERSON RECEIVES PRESIDENTIAL AWARD .....OCT 17 P. 5

PFIZER, INC.
PFIZER ANNOUNCES PRICE CHANGES .....JAN 31 P. 5
PFIZER ANNOUNCES SPEAKERS FOR RESEARCH MEETING .....APR 11 P. 4
PFIZER MOVES RESEARCH GROUP TO MISSOURI .....MAY 16 P. 48
PFIZER KEYNOTER .....MAY 16 P. 53
PFIZER AWARDS .....SEP 12 P. 5

PHIL WARREN CO.
DIVERSIFICATION COUNTS FOR WISCONSIN EGG, DAIRY AND FARMING ENTERPRISE .....JUL 11 P. 19

PILCH, INC.
"E" FOR EXCELLENCE .....JUN 06 P. 17

THE PILLSBURY COMPANY
PILLSBURY CO. SETS RECORD NET, SALES IN THIRD QUARTER .....MAR 21 P. 12
PILLSBURY NAMES WALLIN PRESIDENT; COONROD PROMOTED .....JUN 13 P. 8
PILLSBURY REPORTS RECORD EARNINGS, SALES FOR YEAR .....JUL 04 P. 7
PILLSBURY RESULTS IMPROVE; CAPITAL OUTLAY INCREASED .....AUG 15 P. 8
PILLSBURY'S FIRST QUARTER SETS SALES, EARNINGS RECORDS .....SEP 26 P. 8
PILLSBURY REPORTS RECORD QUARTER, FIRST HALF .....DEC 26 P. 8

PIONEER GRAIN COMPANY, LTD.
PIONEER GRAIN TO REBUILD TERMINAL .....JAN 03 P. 26
MACMILLAN NAMED .....APR 25 P. 61

PIONEER HI-BRED INTERNATIONAL, INC.

NEW LAB FOR NULABS .....AUG 29 P. 33

PIONEER HYBRID, INC.
PIONEER HYBRID ACQUIRES NULABS .....MAY 16 P. 8
PROBIOTICS SEMINAR SET FOR KANSAS CITY .....AUG 01 P. 22

PLAIN & FANCY AG ENTERPRISES
PLAIN & FANCY BUYS EGG FARM .....OCT 24 P. 14

POULTRY BROKERAGE AGENCY
FIRM WILL REPRESENT POULTRY PROCESSORS .....MAR 28 P. 59

POULTRY AND EGG FAX
POULTRY PRICE, SUPPLY PREDICTING FIRM STARTED .....APR 04 P. 14

POULTRY PRODUCERS ASSN.
TRUSTEE NAMED TO HANDLE COOP'S ASSET DISTRIBUTION .....FEB 21 P. 8

POULTRY PRODUCTS, INC.
NEW FEED MILL NOW OPERATING .....MAY 23 P. 78
THE 'ALL-METAL' FEED MILL .....DEC 05 P. 24

PROCHEMCO, INC.
PROCHEMCO '76 PROFITS LAID TO IMPROVED CATTLE FEEDING .....MAR 07 P. 8
PROCHEMCO REVENUES UP, NET INCOME OFF .....APR 04 P. 8
ALL PROFIT INDEXES UP FOR PROCHEMCO .....JUL 04 P. 7
PROCHEMCO EARNINGS RISE ON INCREASED SALES .....SEP 19 P. 7

PRODUCTS BLENDING CORP.
SUPPLIER MOVES .....OCT 31 P. 33

PROFESSIONAL PRODUCTS AND SERVICES, INC.
DIRECT SALES FIRM RELOCATES OFFICE .....AUG 29 P. 4

PULASKI FARMERS CO-OP
INDIANA CO-OP TO BUILD ELEVATOR .....OCT 17 P. 19

QUAKER OATS CO.
QUAKER OATS REPORTS IMPROVED 1977 SALES, NET .....DEC 05 P. 7

QUALI-TECH PRODUCTS, INC.
QUALI-TECH ADDITION .....OCT 31 P. 4

RACHELLE LABORATORIES, INC.
RACHELLE CONTINUES TELEGRAPH SERVICE .....JUL 04 P. 6

RALSTON PURINA COMPANY
PURINA READIES 1977 AG SCHOLARSHIP PROGRAM .....JAN 17 P. 12
PURINA REPORTS RECORD QUARTER .....JAN 24 P. 8
PURINA AWARDS RESEARCH GRANTS .....MAR 21 P. 40
PURINA OFFERS TO BUY STRATFORD FLORICULTURE ASSETS .....MAR 28 P. 8
PURINA DIVIDEND .....MAR 28 P. 64

PURINA EARNINGS, SALES SET RECORD IN HALF .....MAY 09 P. 8
PURINA SIGNS AGREEMENT TO BUY STRATFORD ASSETS .....MAY 16 P. 8
ALLIED CHEMICAL DISCUSSES PLANT SALE .....MAY 30 P. 1
PURINA DIVIDEND .....MAY 30 P. 36
THE MARKETPLACE .....JUL 11 P. 8
PURINA REPORTS RECORD QUARTER .....JUL 25 P. 8
PURINA, KNAPPEN BUY PLANTS FROM ALLIED CHEMICAL .....AUG 08 P. 1
PURINA URGES "REALISTIC" ANTIBIOTIC POLICY IN STATEMENT TO FDA COMMISSIONER .....AUG 22 P. 2
PURINA DIVIDEND .....OCT 03 P. 49
PURINA SELLS ITS LAST POULTRY PROCESS PLANTS .....OCT 10 P. 1
PURINA TO BUY WARF INSTITUTE .....OCT 31 P. 4
PURINA MARKETS NEW CALF STARTER .....NOV 07 P. 5
RALSTON PURINA BUILDING FEED PLANT AT WICHITA .....NOV 14 P. 8
PURINA'S ANNUAL SALES, EARNINGS RECORD HIGH .....NOV 21 P. 2
RALSTON PURCHASES WARF INSTITUTE, INC. .....NOV 28 P. 6
RALSTON DIVIDEND UP .....NOV 28 P. 60
RALSTON TO AWARD RESEARCH FELLOWSHIPS .....DEC 05 P. 23
PURINA AUTHORIZES $223 MILLION IN CAPITAL SPENDING .....DEC 19 P. 8
PURINA COMPLETES PURCHASE .....DEC 26 P. 13

RANCHERS & FARMERS SUPPLY
CUSTOM MILLING BECOMES BASIS FOR PANHANDLE COMPANY'S GROWTH .....APR 18 P. 24

RANCH-WAY, INC.
RANCH-WAY, WILGRO AGREE IN PRINCIPLE TO MERGER PLAN .....AUG 15 P. 1

READING FEED & GRAIN COMPANY
REVAMPING READING FEED FIRM RESULTS IN $10-MILLION BUSINESS .....APR 25 P. 28

RHODIA, INC.
HESS & CLARK RAISES FURAZOLIDONE PRICES .....JUN 27 P. 6

RICELAND FOODS
RICHARD BEEL JOINS RICELAND FOODS CO-OP .....APR 18 P. 8
ENDOWMENT TO AID SOYBEAN MARKETING .....DEC 19 P. 27

LOUIS RICH, INC.
LOUIS RICH BIDS $2.7 MILLION FOR THOMPSON ASSETS .....APR 11 P. 44

RIVERDALE PRODUCTS COMPANY
RIVERDALE PRODUCTS MOVES TO FLORIDA .....APR 11 P. 8

RIVERWAY CO.
RIVERWAY NEW NAME FOR TOWING FIRM .....SEP 12 P. 6

A. H. ROBINS CO.
BABCOCK BOARD ACCEPTS ROBINS OFFER TO BUY .....OCT 10 P. 1

ROBBINS INCUBATOR COMPANY
ROBBINS TO MOVE .....MAY 16 P. 58
ROBBINS INCUBATOR CO. TO MOVE OPERATIONS .....DEC 19 P. 19

ROBERTS LABORATORIES

ROBERTS LABS REP .....FEB 14 P. 27

ROBERTS RICE MILLS, INC.
ROBERTS RICE MILLS TO BUILD NEW PLANT .....JUN 13 P. 23

ROHM & HAAS
ROHM & HAAS TO SELL WARREN-TEED PHARMACEUTICALS .....AUG 01 P. 6

ROYAL MILC
NEW DISTRIBUTOR .....OCT 03 P. 51
ROYAL MILC ELECTS NEW TREASURER .....OCT 10 P. 8

RUFFIN, INC.
RUFFIN NAME CHANGE .....JUN 06 P. 28

SALSBURY LABORATORIES
SALSBURY MARKETS CHICKEN BACTERIN .....MAR 21 P. 12
SALSBURY DEVELOPS BUTYNORATE ANALYSIS .....OCT 24 P. 56
SALSBURY PLANT OPERATING AGAIN .....DEC 26 P. 7

SANDERSON FARMS, INC.
SANDERSON FARMS PLANS NEW FEED PRODUCTION PLANT .....FEB 14 P. 6
SANDERSON FARMS EXPANDING PLANTS .....NOV 21 P. 7

SAND LIVESTOCK SYSTEMS
SAND CONSTRUCTION CHANGES ITS NAME .....OCT 24 P. 34

SAVANNAH FOODS & INDUSTRIES, INC.
SAVANNAH FOODS ANNUAL INCOME, SALES DROP .....MAR 21 P. 12
CORRECTION .....APR 04 P. 8
NUTRITIONIST SEES BRIGHT CATTLE INDUSTRY FUTURE .....SEP 12 P. 4

SCALE ELECTRONICS CORPORATION
INVENTORY, BATCH COMPUTER MADE .....MAR 28 P. E15

SCHIPKE ENGINEERS
SCHIPKE OPENS BRANCH OFFICE .....SEP 12 P. 43

JOS. SCHLITZ BREWING CO.
SCHLITZ ANNOUNCES CHANGE IN MURPHY MANAGEMENT .....AUG 08 P. 2
CHRISTOPHER FOLLOWS RUUD AT C & D FOODS .....AUG 08 P. 7
SCHLITZ REPORTS LOWER SALES, EARNINGS IN NINE MONTHS .....DEC 05 P. 7

SCHULD MFG. CO.
SCHULD MFG. MOVES HEADQUARTERS OFFICES .....OCT 24 P. 53

SCOPE INDUSTRIES
SEATTLE TO GET DEXT CO. PLANT .....DEC 05 P. 20

SEA-BORN, INC.
PATENT ISSUED FOR FERTILIZER .....NOV 28 P. 57

SEARLE AGRICULTURE

SEARLE TO DEMONSTRATE ESTRUS SYNCHRONIZER .....MAY 23 P. 22

SEECO, INC.
SEECO, INC., BUILDS NEW MEDICATED PLANT .....NOV 14 P. 14

SHAVER POULTRY BREEDING FARMS
EXPANSION CEREMONIES .....AUG 22 P. 4

SHELL CHEMICAL COMPANY
SHELL OFFERS DEALER INSECTICIDE DISCOUNT .....JAN 17 P. 40

SHEARSON, HAYDEN STONE, INC.
SHEARSON ON MIDAMERICA .....APR 25 P. 56

SILAK COMPANY
SILAK REPRESENTATIVE .....MAY 09 P. 14

SILER CITY (N.C.) MILLS, INC.
TOP DOG .....JAN 17 P. 5

SMALLEY, DAVID, RICHARDSON & STENGEL
NEW AGENCY FORMED .....APR 11 P. 37

K. L. SMITH ENTERPRISES, LTD.
GATES RUBBER CO. SELLS TWO EGG FIRMS .....JAN 10 P. 10

SMITH KLINE
PASTURE BEEF FILM TO BE PRESENTED .....NOV 28 P. 63

SOILTEST, INC.
SOILTEST BUYS BURROWS FIRM .....SEP 12 P. 37

SOUTH ST. PAUL STOCKYARDS
SOUTH ST. PAUL PLANS LIVESTOCK BUILDING .....JAN 24 P. 38

SOUTHERN EMPIRE EGG FARM
LAYER FLOCK SOLD UNDER PRESSURE FROM NEIGHBORS .....JUN 13 P. 20

SOUTHERN SEVEN COOP ELEVATOR
SOUTHERN SEVEN: TECHNOLOGY WITH AN EYE ON THE GULF .....MAR 21 P. 28

SOUTHERN COTTON OIL COMPANY
FIRM CONTRACTS WORK ON 3 PLANTS .....JUN 27 P. 36

SOUTHERN STATES COOPERATIVE, INC.
SSC BUSINESS CLIMBS, VOLUME HITS $373 MILLION .....AUG 29 P. 6
SSC OFFERS BICARB IN DAIRY FEEDS .....NOV 14 P. 5
SOUTHERN STATES FORMULA FEED EXCEEDS 500,000 TONS .....DEC 19 P. 8

SOWECO, INC.
SOWECO, INC. PLANS FACILITIES EXPANSION .....AUG 01 P. 21

SPAN-TEX CONSULTING SERVICES

TIM MASON FORMS CONSULTING FIRMS .....AUG 08 P. 15

SPARKS COMMODITIES, INC.
SPARKS, OTHER EX-COOK EXECS FORM COMPANY .....OCT 31 P. 8

STAKE TECHNOLOGY, LTD.
BYPRODUCTS CHANGE TO FEED WITH NEW PROCESS; FIRM .....JUL 25 P. 68

A. E. STALEY MFG. CO.
STALEY 1976 SALES UP; NET EARNINGS DECLINE .....JAN 03 P. 7
A. E. STALEY TO EXPAND FACILITY .....JAN 17 P. 30
STALEY'S FIRST-QUARTER SALES RISE, EARNINGS DROP .....JAN 24 P. 12
STALEY TO BUY LINCOLN COMMODITIES .....JAN 31 P. 8
STALEY QUARTERLY INCOME DOWN, SALES UP .....MAR 07 P. 8
STALEY DIVIDEND .....MAY 16 P. 67
STALEY'S EARNINGS FALL, SALES RISE IN SECOND QUARTER .....MAY 23 P. 109
A. E. STALEY CO, EARNINGS OFF, SALES UP FOR QUARTER .....AUG 08 P. 8
STALEY DIVIDEND .....AUG 15 P. 8
STALEY DIVIDEND .....NOV 14 P. 4
STALEY TO BUILD FRUCTOSE UNIT .....NOV 14 P. 33
LAST QUARTER UP, BUT STALEY'S 1977 RESULTS DECLINE .....NOV 28 P. 60

STANDARD BRANDS, INC.
STANDARD BRANDS SEEKS UEP AD SUIT COUNTERCLAIM WITH AMENDMENT .....APR 04 P. 7

STANDARD FARMS, INC.
TRANSITION FROM HATCHERY TO RETAIL MERCHANDISER BROADENS BUSINESS BASE .....JAN 03 P. 24

STAUFFER CHEMICAL CO.
STAUFFER BUILDS BICARB PLANT .....OCT 03 P. 13

STRATE GRAIN COMPANY
STRATE GRAIN HAS PELLETING OPERATION .....JUN 20 P. 2

STRATFORD OF TEXAS, INC.
STRATFORD FILES BANKRUPTCY PETITION .....JAN 31 P. 16

SUN CITY INDUSTRIES, INC.
SUN CITY HAS QUARTERLY SALES, EARNINGS GROWTH .....JAN 03 P. 36
SUN CITY'S GOOD YEAR LAID TO BETTER PRICE-COST RATIO .....JUN 06 P. 9
SUN CITY SHOWS LOWER FIRST QUARTER EARNINGS .....JUL 04 P. 7

SUNNY SIDE UP FARM
MAX BRENDER CALLING IT QUITS AT SUNNY SIDE UP FARM .....JUN 27 P. 5

SUNSTAR FOODS, INC.
SUNSTAR FOODS SHOWS SALES, INCOME DROP .....JAN 10 P. 10

SWIFT & COMPANY
SWIFT TO CLOSE FIVE MEAT PLANTS .....FEB 28 P. 8
SWIFT TO SELL BROILER OPERATION .....MAR 21 P. 61

BRUCE K. SYMONDS & CO.

BRUCE K SYMONDS OPENS EASTERN OFFICE .....OCT 31 P. 6

SYNTEX AGRIBUSINESS, INC.
SYNTEX MARKETING FEED PREFERENCE AGENT FOR SWINE .....JAN 24 P. 8
SYNTEX RAISES CAL PAN PRICES .....FEB 28 P. 12
SYNTEX MARKETING WELLCOME PRODUCT .....JUN 13 P. 34
SYNTEX CHANGES PRODUCT PRICES .....JUL 04 P. 29

T-E AGRI SUPPLY CO.
NEW COMPANY'S OFFICERS .....OCT 31 P. 8

TAMA BEEF PROCESSORS, INC.
INADEQUATE FINANCING, IOWA DROUGHT COMBINE TO STOP BEEF MARKETING EFFORT .....OCT 24 P. 12

TATER MEAL, INC.
POTATO WASTE FEED BEING MARKETED .....DEC 26 P. 18

TAXCO LIVESTOCK CONFINEMENT SYSTEMS, INC.
SOLAR CONFINEMENT BUILDING OFFERED BY HOUSING FIRM .....AUG 22 P. 33

TAYLOR EVANS SEED CO.
TAYLOR EVANS SEED SELLS AGRI-SUPPLY DIVISION ASSETS .....OCT 17 P. 7

TECHNICON INDUSTRIAL SYSTEMS
TECHNICON HAS SPECIAL NEWSLETTER ISSUE .....MAR 28 P. E15

TERRA CHEMICALS INTERNATIONAL, INC.
TERRA CHEMICALS HAS HIGHER SALES, LOWER EARNINGS .....MAY 23 P. 108
TERRA CHEMICALS REPORTS HIGHER INCOME, REVENUES .....AUG 08 P. 8
COOK AGREES TO SELL RIVERSIDE TO TERRA CHEMICAL .....OCT 03 P. 7
MORE RIVERSIDE ASSETS SOLD TO TERRA CHEMICALS .....OCT 24 P. 8
TERRA CHEMICALS REPORTS LOWER NINE-MONTH EARNINGS .....NOV 14 P. 8

THOMPSON-HAYWARD CHEMICAL CO.
THOMPSON-HAYWARD PLANT PROCESSES .....JUL 18 P. 30
THOMPSON-HAYWARD REVISES PRICES .....AUG 22 P. 3

THOMPSON INDUSTRIES
TURKEY FIRMS FILE BANKRUPTCY .....MAR 07 P. 6

TRICO INDUSTRIES, INC.
TANK COMPANY MOVES .....APR 18 P. 40

TRI GRAIN, INC.
TRI GRAIN ELEVATOR NOW IN OPERATION .....JAN 10 P. 65

TRIPLE "F", INC.
TRIPLE "F" FEEDS OFFERS BABY PIG NUTRITIONAL PLAN .....APR 11 P. 18

TYSON FOODS, INC.
TYSON DIVIDEND .....JAN 03 P. 43
TYSON PLANS PORK PROGRAM EXPANSION .....FEB 21 P. 8

TYSON REPORTS SALES RISE, INCOME DROP .....MAY 23 P. 12
TYSON'S COUNTRY FRESH CHICKEN HAS HIGH RATE OF REPEAT SALES .....MAY 30 P. 18
SALES, EARNINGS REPORTED DOWN AT TYSON FOODS .....AUG 22 P. 8
TYSON BUYS HOG FACILITY IN N. CAROLINA .....AUG 29 P. 1
TOURING ARKANSAS .....AUG 29 P. 34
TYSON DIVIDEND .....NOV 07 P. 5
TYSON REPORTS 1977 INCOME, SALES DECLINE .....NOV 28 P. 6
TYSON FOODS TO BUILD NEW, LARGER HATCHERY .....DEC 12 P. 16

U.S. INDUSTRIES
BIG DUTCHMAN TO MOVE TO GEORGIA .....APR 25 P. 6
U.S. INDUSTRIES BEGINS PLANT .....MAY 23 P. 71

USS AGRI-CHEMICALS
USS AGRI-CHEMICALS REALIGNS PERSONNEL .....JAN 03 P. 33

UNION EQUITY COOPERATIVE EXCHANGE
STORAGE EXPANSION AT UNION EQUITY NEARS COMPLETION .....MAY 16 P. 58

UNITED COOPERATIVE FARMERS, INC.
UCF TO OPEN FARM CENTER .....JUL 11 P. 2

UNITED COOPERATIVES OF ONTARIO (UCO)
AG CANADA AIDING WINDSOR TERMINAL ELEVATOR PROJECT .....MAY 16 P. 50

UNITED GRAIN GROWERS
UGG REPORTS LOWEST NET EARNINGS .....NOV 28 P. 40
DIRECTORS RE-ELECTED .....NOV 28 P. 48

UNITED SUPPLIERS, INC.
UNITED SUPPLIERS BREAKS GROUND FOR NEW IOWA MILL .....JUN 13 P. 7

UNIVERSAL COOPERATIVES, INC.
UNIVERSAL COOP PLANS NEW FACILITY .....MAY 23 P. 71
UNIVERSAL CO-OP TO MOVE TO MINNEAPOLIS .....AUG 22 P. 8
UNIVERSAL COOPERATIVES RE-ELECTS ARMSTRONG .....OCT 31 P. 8

THE UPJOHN CO.
HONORED FOR SERVICE .....DEC 26 P. 14

VALLEY FEED & SEED, INC.
IRRIGATION ACCELERATES GROWTH PACE IN COLORADO .....FEB 14 P. 30
VALLEY FEED & SEED ACQUIRES FACILITY .....JUN 06 P. 9

VALMAC INDUSTRIES, INC.
VALMAC 39-WEEK INCOME DOWN, SALES UP .....FEB 21 P. 8
VALMAC TO BUY SWIFT PLANTS .....APR 25 P. 6
VALMAC SAYD POULTRY CYCLE, PLANT OPENING CUT EARNINGS .....JUL 11 P. 6
VALMAC REPORTS QUARTERLY LOSS FROM LAWSUIT .....SEP 12 P. 6
REVENUES INCREASE, BUT VALMAC REPORTS LOSS .....NOV 28 P. 6

VELSICOL CORP.

PESTICIDE FIRM INDICTED BY GRAND JURY .....DEC 19 P. 27

THE VICTORIO COMPANY
VICTORIO NAME CHANGE .....JAN 03 P. 19

VIGORTONE PRODUCTS COMPANY
AWARD TO VIGORTONE .....JAN 24 P. 100
VIGORTONE ADDS TO NEBRASKA FACILITY .....MAR 21 P. 12
VIGORTONE STICKER .....APR 18 P. 40
VIGORTONE EXPANSION .....SEP 19 P. 6
MEGOWN ON NITRITES .....DEC 05 P. 4

VINELAND LABORATORIES, INC.
VACCINE PRODUCTION UNIT .....JAN 03 P. 26
GIFT FOR RESEARCH .....AUG 08 P. 24
NEW VACCINE LAB .....OCT 10 P. 40

VITA PLUS CORPORATION
VITA PLUS CORP. OFFERS NEW DAIRY FEEDING PROGRAM .....JAN 03 P. 3
VITA PLUS MARKETS BASE MIX TO TREAT HOG SCOURS .....JAN 10 P. 19
FEED PROGRAMS .....MAR 07 P. 5
VITA PLUS ADDS BEEF COW PRODUCT .....MAR 14 P. 49
CORN BIN STORAGE .....APR 18 P. 42
DEALER SEMINARS INTRODUCE BUFFER .....AUG 01 P. 6
RUMEN BUFFER .....AUG 29 P. 4
SCHOLARSHIP FOR TEACHER .....AUG 29 P. 32
AG EDUCATOR .....OCT 10 P. 39
HOG COST OF GAIN BELOW 20 CENTS IN TEST .....OCT 31 P. 12
VITA PLUS HONORS TOP 1977 SALESMEN .....NOV 28 P. 41

WARNER BROKERAGE COMPANY, INC.
WARNER BROKERAGE .....MAR 14 P. 8
WARNER BROKERAGE'S HOGLUND TO RETIRE .....DEC 12 P. 51

H. K. WEBSTER CO.
H. K. WEBSTER TO BUILD NEW PLANT, MANUFACTURE OWN DOG FOOD BRAND .....MAR 14 P. 8
WEBSTERS HONORED .....JUL 04 P. 3
NEW DOG FOOD ENTRY .....DEC 05 P. 5

WELD-COX SUPPLY COMPANY, INC.
BLAZE DEVASTATES LONG ISLAND MILL .....MAY 30 P. 33

WELLENS & COMPANY, INC.
WELLENS CLOSES WEST COAST OFFICE .....MAY 09 P. 39

WEST BEND ELEVATOR
BUILDING SALES THROUGH DIVERSIFICATION .....APR 04 P. 24

WEST BEND PROCESSING CO.
FIRM RELOCATES .....FEB 21 P. 34

WESTERN FOUR, INC.

WESTERN ACQUIRES OKLAHOMA FACILITY .....OCT 24 P. 34

WEST LEBANON SUPPLY
FIRE SERIOUSLY DAMAGES NEW HAMPSHIRE FIRM .....MAR 14 P. 48
NEW HAMPSHIRE FIRE .....MAR 21 P. 8

WESTMIN CORPORATION
WESTMIN CORP. ADDS TO NFIA GRANTS-IN-AID .....APR 25 P. 67

WILGRO FEEDS, INC.
RANCH-WAY, WILGRO AGREE IN PRINCIPLE TO MERGER PLAN .....AUG 15 P. 1

WILLIAMS COMPANIES
WILLIAMS COOPERATES IN PHOSPHATE VENTURE .....APR 11 P. 37

R. A. WILLIAMS, INC.
FEED DEALER HONORED FOR 10 YEARS IN BUSINESS .....OCT 03 P. 19

WILSON FOODS CORP.
WILSON FOODS TO MARKET CONSUMER BRAND FRESH PORK .....NOV 28 P. 10

AR WOOD MFG.
HERE'S HOW IT WORKS .....NOV 28 P. 42

ZAPATA CORPORATION
ZAPATA SHOWS INCREASE IN '76 NET REVENUES .....JAN 03 P. 43
ZAPATA CORP. NET INCOME DOWN, REVENUES UP .....FEB 14 P. 8
ZAPATA NET INCOME DROPS; REVENUES RISE .....MAY 23 P. 108
ZAPATA'S THIRD QUARTER, NINE MONTHS' RESULTS OFF .....AUG 22 P. 46
ZAPATA 1977 NET INCOME DOWN, SALES UP .....DEC 12 P. 6

ZEELAND (MICH.) FARMERS COOPERATIVE
COORDINATED EGG PROGRAM BOOSTS FEED TONNAGE FOR MICHIGAN COOP .....FEB 21 P. 22

ZIGGITY SYSTEMS, INC.
NEW FIRM MAKES POULTRY WATERERS .....SEP 12 P. 6

ZIP FEED MILLS, INC.
ZIP FEED MILLS 40 YEARS OLD .....FEB 28 P. 12
ZIP'S OPEN HOUSE .....MAY 09 P. 8

ZOECON CORPORATION
OCCIDENTAL AGREES TO BUY ZOECON CORPORATION .....MAY 23 P. 12

COMPUTERS
COMPUTERS STREAMLINE INVENTORY CONTROL .....MAY 16 P. 41
VARIETY OF FUNCTION, SPEED, ACCURACY KEYS TO COMPUTER USEFULNESS .....JUN 06 P. 8
POULTRY CONSULTANT: MINI-COMPUTERS SIMPLIFY FEED MILLING AND POULTRY COMPUTATIONS .....JUL 04 P. 6
THE MARKETPLACE .....JUL 04 P. 8
THE MARKETPLACE .....OCT 10 P. 10
VPI COMPUTER FEED FORMULATION PROGRAM DESIGNED TO HELP DAIRYMEN CUT COSTS .....DEC 19 P. 4
THIRD OF GRAIN ELEVATORS SURVEYED USING COMPUTERS .....DEC 26 P. 36

CONFERENCES

AMERICAN DAIRY SCIENCE ASSN.
SUBSTITUTING FAT FOR GRAIN WORKED IN OHIO, DAIRY SCIENTISTS TOLD .....JUL 11 P. 4

AMERICAN FORAGE & GRASSLANDS COUNCIL
FORAGE, GRASSLANDS COUNCIL DISCUSSES HAY GRADING, FEEDER PROFITS, FORAGES .....FEB 21 P. 4

BREWERS FEED CONFERENCE
REVIEW OF NUTRITION PAPERS FROM BREWERS FEED CONFERENCE .....DEC 05 P. 8
REVIEW OF NUTRITION PAPERS FROM BREWERS FEED CONFERENCE .....DEC 12 P. 8

CALIFORNIA ANIMAL NUTRITION COUNCIL
RESEARCHERS STUDY NUTRITIONAL NEEDS AND FEED PREFERENCES AMONG POULTRY AND LIVESTOCK .....AUG 15 P. 25

CALIFORNIA LIVESTOCK SYMPOSIUM
CALIFORNIA SYMPOSIUM SET FOR MAY 26-27 .....APR 11 P. 27

CORNELL NUTRITION CONFERENCE
CORNELL RESEARCHERS SAY NUTRITION AFFECTS IMMUNITY; MANY FACTORS IN INTAKE .....NOV 14 P. 6
RESEARCHERS OUTLINE ENERGY, MINERAL REQUIREMENTS FOR HEN PERFORMANCE .....NOV 21 P. 10

FLORIDA NUTRITION CONFERENCE
FLORIDA NUTRITION CONFERENCE LOOKS AT HEAT, FEEDING .....DEC 05 P. 5

GEORGIA NUTRITION CONFERENCE
SPEAKERS, TOPICS LISTED FOR GEORGIA NUTRITION MEETING .....DEC 05 P. 4

GUELPH NUTRITION CONFERENCE
GUELPH RESEARCHERS EXPLORE RAPESEED, BIOTIN, PROTEIN LEVELS IN POULTRY RATIONS .....JUL 18 P. 23

INDIANA CATTLE FEEDERS DAY
SUPPLEMENTS, SUBSTITUTES HIGHLIGHT PURDUE RESEARCH .....APR 04 P. 5

INTERNATIONAL AGRICULTURE SHOW
INTERNATIONAL AG SHOW TO BE HELD MARCH 6-13 .....JAN 10 P. 55

INTERNATIONAL COMMODITIES CONFERENCE
NYU COMMODITIES CONFERENCE SLATED FOR DEC. 12-13 .....NOV 21 P. 19

INTERNATIONAL STOCKMEN'S SCHOOL
TOP GENETICIST FROM POLAND WILL LECTURE .....OCT 10 P. 30

MARYLAND NUTRITION CONFERENCE
POULTRY NUTRITION TOPICS GET HEAVY BILLING AT MARYLAND NUTRITION MEETING .....MAR 28 P. 5

MINNEAPOLIS FARM FORUM
REX ALLEN TO MC FARM FORUM .....DEC 19 P. 4

NORTH AMERICAN LIVESTOCK EXPOSITION
POULTRY CONTESTS TO BE HELD IN LOUISVILLE .....OCT 10 P. 40

PFIZER CENTRAL AMERICA AND PANAMA SYMPOSIUM ON ANIMAL NUTRITION AND HEALTH
CENTRAL AMERICAN CONFERENCE ADVISED ON FEEDING POULTRY IN HOT WEATHER, MOLD .....JUL 25 P. 54

PFIZER RESEARCH CONFERENCE
CONFERENCE SPEAKERS DETAIL LATEST POULTRY, SWINE, RUMINANT, HORSE RESEARCH .....MAY 30 P. 4

POULTRYMEN'S GET-TOGETHER
POULTRYMEN HONOR YOUTH, HEAR DIET FOR STRONGER EGGS .....AUG 01 P. 4

POULTRY SCIENCE ASSN.
REVIEW OF POULTRY NUTRITION, AVIAN BIOCHEMISTRY PRESENTED BEFORE THE 1977 POULTRY SCIENCE ASSN. MEETING .....SEP 19 P. 34
REVIEW OF POULTRY NUTRITION, AVIAN BIOCHEMISTRY PRESENTED BEFORE THE 1977 POULTRY SCIENCE ASSN. MEETING .....SEP 26 P. 7

RUTGERS NUTRITION CONFERENCE
RUTGERS MEETING OFFERS MINERAL, FIBER, DIET DATA .....MAY 30 P. 12

SOUTHERN ASSOCIATION OF AGRICULTURAL SCIENTISTS
SUMMARY OF PAPERS FROM THE ANNUAL MEETING OF POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURAL SCIENTISTS .....MAR 07 P. 29
SUMMARY OF PAPERS FROM THE MEETING OF THE POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURAL SCIENTISTS .....MAR 28 P. 51

TEXAS NUTRITION CONFERENCE
AT TEXAS CONFERENCE .....OCT 31 P. 17

UNIVERSITY OF GUELPH NUTRITION CONFERENCE FOR FEED MANUFACTURERS
TOTAL MIXED DAIRY RATION HOLDS FUTURE POSSIBILITY, GUELPH CONFERENCE ADVISED .....JUN 06 P. 3

UNIVERSITY OF NOTTINGHAM CONFERENCE FOR FEED MANUFACTURERS
FEED MANUFACTURING CONFERENCE IN ENGLAND DISCUSSES PRODUCTION, RUMEN FERMENTATION .....APR 11 P. 24

CONFINEMENT FEEDING
TOTAL-CONFINEMENT GILTS MAY HAVE MORE BREEDING PROBLEMS: RESEARCHER .....FEB 21 P. 12

CONSUMERISM
U.S. DOESN'T NEED ANOTHER CONSUMER AGENCY, SAYS MEAT INSTITUTE PRESIDENT .....APR 25 P. 3

COOPERATIVES
CO-OPS GET ELIGIBILITY RULES FOR CCC PRICE SUPPORTS .....JUL 18 P. 5

CORN
CORN'S IMPORTANCE IN FEEDING COMING UP .....MAR 28 P. 54
CORN BORER PLIGHT IN MIDWEST BECOMING SEVERE .....SEP 26 P. 1
MOISTURE CONTENT OF CORN .....DEC 12 P. 23

COTTONSEED MEAL
DROUGHT HAS AFFECTED COTTONSEED QUALITY .....APR 04 P. 40
COTTONSEED MEAL OUTPERFORMS UREA IN STRAW TRIALS .....MAY 16 P. 48

CUBA
MINNESOTANS PLAN BUSINESS TRIP TO CUBA .....MAR 14 P. 48
THE MARKETPLACE .....APR 25 P. 8
TRADE WITH CUBA: THEY SEEM TO WANT TO BUY IT ALL .....MAY 23 P. 5

THE MARKETPLACE .....AUG 29 P. 8

DISEASE
DISEASE FINDINGS PROMPT PLANT PROJECT EXPANSION .....DEC 05 P. 20

DISTILLERS FEEDS
ILLINOIS SPECIALIST DETAILS VERSATILITY OF DISTILLERS FEEDS IN SWINE RATIONS .....APR 18 P. 4

DUCK HEALTH
DUCK HEPATITIS .....MAY 16 P. 24

DUCK INDUSTRY
DUCK PRODUCERS OPTIMISTIC ABOUT MARKET .....AUG 15 P. 1

DUCK MARKETING
DUCKLING COUNCIL PLANS CHINESE DISH PROMOTIONS .....FEB 21 P. 7

EDITORIAL
GROWTH IN FEED BUSINESS .....JAN 24 P. 14
THE OPPORTUNITIES AND PITFALLS FOR POULTRY .....JAN 24 P. 14
EPA IS OFF BASE ON GRAIN POLLUTION .....FEB 28 P. 16
AMERICAN AGRICULTURE DAY '77 .....FEB 28 P. 16
THE CASE AGAINST A SOYBEAN EMBARGO .....APR 11 P. 10
TIME TO REBUILD LOCKS AND DAM 26 .....APR 11 P. 10
FDA CONFUSES 'SOCIAL GOALS' WITH SCIENCE .....MAY 02 P. 10
GRAIN RESERVES, NOT CARTELS .....MAY 02 P. 10
LOANS TO COOPERATIVES .....MAY 23 P. 14
PREDICTING THE FEED OUTLOOK .....MAY 23 P. 14
ANOTHER ROUND OF OVERSUPPLY .....JUN 27 P. 8
EPA'S ADMISSION OF ERROR .....JUN 27 P. 8
THE EXPORT MARKET FOR ANIMAL AGRICULTURE .....JUL 25 P. 10
BEEF REFERENDUM DEFEATED - BACK TO SQUARE ONE .....JUL 25 P. 10
THE GOVERNMENT'S NEW PROGRAM FOR AGRICULTURE .....AUG 22 P. 6
FEED MARKETING IN 77-78 .....SEP 26 P. 10
SHOWDOWN ON ANTIBIOTICS .....OCT 31 P. 10
FARM STRIKE .....NOV 14 P. 10
GRAIN FOR FOOD, NOT FUEL .....NOV 14 P. 10
'DIETARY GOALS' MISLEAD PUBLIC, PENALIZE AGRICULTURE .....DEC 12 P. 10
WHAT THE FARM STRIKE CANNOT DO .....DEC 26 P. 10

EGG BOARD
EGG CHECK-OFF HITS $2 MILLION .....JAN 03 P. 6
INCREDIBLE EGG ADS .....JAN 03 P. 6
AEB GETS DONATION .....JAN 10 P. 8
EGG CHECK-OFF REVENUES HIGHER THAN EXPECTED .....FEB 07 P. 59
AEB REPORTS CHECKOFF TOTALS .....FEB 21 P. 6
AEB CHECKOFF FUNDS MEET GOAL; PROMOTION TARGETS FAMILIES .....FEB 28 P. 11
EGG SCHOOL .....MAR 21 P. 11
AEB GETS DONATION .....APR 25 P. 7
AEB CONTINUES EGG CAMPAIGN .....MAY 09 P. 6
EGG BOARD CREATES CONSUMER COMMITTEE .....MAY 16 P. 6
AEB COMPLETES FIRST EGG ORDER COMPLIANCE AUDIT .....MAY 23 P. 26

AEB EXAMINING EGG EXPORTS .....MAY 23 P. 107
AEB AWARDS EGG RESEARCH GRANT .....MAY 30 P. 27
AEB RECOMMENDS CHECK-OFF CHANGES .....JUN 20 P. 12
EGG BOARD AWARDS EGG STUDY GRANT .....JUL 11 P. 5
AEB APPROVES 12 PROJECTS FOR NEW PRODUCTS .....AUG 01 P. 7
PENNAG SURVEY FINDS WIDE RANGE IN PRODUCT LIABILITY POLICY COVERAGE .....AUG 08 P. 4
AEB AWARDS GRANT FOR CALIFORNIA PROJECT .....AUG 15 P. 40
USDA INVITES MORE CERTIFICATION FOR AEB .....AUG 22 P. 50
NOMINATIONS DUE FOR NINE POSTS ON EGG BOARD .....OCT 10 P. 6
AEB MAY CHANGE REGUND PERIOD .....OCT 10 P. 7
AEB INVITES APPLICATIONS FOR RESEARCH GRANTS .....OCT 31 P. 16
GRANT SUPPORTS STUDY ON EGGS IN DIET .....NOV 14 P. 17
GRANT AIDS STUDY OF CHOLESTEROL, LECITHIN .....NOV 28 P. 48
EGG CHECK-OFF CHANGES MADE .....DEC 05 P. 16

EGG INDUSTRY
EGG PRICES COULD DROP AGAIN: PEDERSEN .....JAN 03 P. 6
RESEARCH SHOWS EGG INDUSTRY MUST ADAPT PRODUCTS TO MEET CONSUMER DEMAND .....JAN 03 P. 25
UNIFIED EGG INDUSTRY REVIEWS 18 MONTHS OF PROFITS, 1976 ACCOMPLISHMENTS .....JAN 10 P. 9
EGG PRODUCERS URGED TO LOOK AT EFFICIENCY, PULLET MANAGEMENT, OTHER COSTS .....JAN 31 P. 6
FEED PRICES MAY STABILIZE, EGGS SATISFACTORY FOR 1977 .....JAN 31 P. 17
SOUTHERN EGG PRODUCTION LOSSES HELP OTHER REGIONS; OVER-PRODUCTION MAY RESULT .....FEB 14 P. 6
TREND TO FEWER, LARGER HATCHERIES CONTINUES IN '76 .....FEB 28 P. 31
'77 BROILER OUTPUT SEEN UP; PRICES EXPECTED TO SHOW MORE WEAKNESS AHEAD .....MAR 07 P. 7
EGG PRODUCER PROFITS EXPECTED TO CONTINUE .....MAR 14 P. 4
MORE EGGS, BROILERS IN STORE; LEVEL TURKEY CROP FORESEEN .....MAR 21 P. 11
EGG BUSINESS SURVIVAL LINKED TO PLANNING IN NEXT DECADE: ECONOMIST .....MAR 28 P. 5
POST-EASTER EGG PRICES WORRY TRADE .....APR 04 P. 1
AEB TO FURNISH EASTER EGGS .....APR 04 P. 6
STANDARD BRANDS SEEKS UEP AD SUIT COUNTERCLAIM WITH AMENDMENT .....APR 04 P. 7
PRODUCTION COSTS, PRICE DISCOUNTING ARE COLLIDING .....MAY 16 P. 1
THE MARKETPLACE .....MAY 30 P. 10
EGGMEN ON TV .....MAY 30 P. 18
MARKETING AND INTEGRATION IN THE POULTRY AND EGG INDUSTRIES .....JUL 04 P. 16
UEP, ADVISOR URGE REDUCTION OF LAYER FLOCKS .....JUL 25 P. 6
RESEARCHER PREDICTS EGG INDUSTRY UPSWING .....JUL 25 P. 13
EGG INDUSTRY FORECASTS GROWTH DESPITE LOW PRICES .....AUG 22 P. 1
"RETIRED" WORKER PLANS TO OPEN NEW EGG PLANT .....AUG 29 P. 19
UEP REQUESTS INVESTIGATION OF FNS EGG LIMIT PROPOSAL .....SEP 12 P. 8
PEPA EXPECTS LOWER EGG INSPECTION TAX .....OCT 03 P. 15
EGG PRODUCERS SHOW LOW OPTIMISM ON PRICES, CITE HIGHER PRODUCTION COSTS .....OCT 17 P. 5
DEPRESSED PRICES PREDICTED FOR EGG INDUSTRY; OVERSUPPLY CITED .....NOV 14 P. 6
APPEALS COURT UPHOLDS FTC ORDER TO END NCEN EGG ADVERTISING CLAIMS .....DEC 05 P. 1
EGG PRODUCERS EXPECTING ROUGH TIME IN 1978 .....DEC 26 P. 1

EGG MARKETING
CALIFORNIA EGG INDUSTRY OKAYS MARKETING AGREEMENT .....JAN 03 P. 1
CALIFORNIA EGG GROUP TO MEET FOR NOMINATIONS .....JAN 10 P. 9
GEORGIA VOTES ON EGG CHECK-OFF .....JAN 10 P. 47
SQUARE EGG .....JAN 10 P. 50
FAST-FOOD EGG ITEMS CALLED BRIGHT SPOT FOR INDUSTRY .....JAN 17 P. 7
CHEF PROMOTES EGGS .....JAN 17 P. 16

CALIFORNIA SETS EGG AGREEMENT ASSESSMENT RATE .....FEB 07 P. 18
EGG INDUSTRY CAUTIONED ABOUT PROMOTION PATHS .....FEB 07 P. 18
SCHOOL EGG PROMOTION PLANNED FOR EASTER .....FEB 21 P. 18
EGG MAR KEEPS CARTONED EGG PRICE FROM ERODING, BUT HAS NOT REACHED END GOAL .....MAR 07 P. 6
CHECK-OFF FUNDS DEDUCTIBLE: UEP .....MAR 07 P. 8
USDA LOOSE EGG REPORT DROPPED .....MAR 21 P. 11
UEP OPPOSES NEW STANDARD BRANDS CLAIM .....APR 18 P. 5
EGG CAMPAIGN .....APR 18 P. 16
EGG BREAKFAST PLANNED .....APR 18 P. 18
EGG CONSUMPTION CONTEST WON WITH AD SYMBOL IDEA .....MAY 30 P. 18
EGG COMMERCIALS ON THE AIR .....JUN 20 P. 34
STUDY SHOWS EGG PROMOTION BOOSTED SALES .....JUN 20 P. 34
TENNESSEE, KENTUCKY COMBINE PROMOTION .....JUN 20 P. 34
CALIFORNIA AGENCY TO COORDINATE EGG PROMOTION WITH EGG BOARD .....AUG 01 P. 7
RETAILER VIEWS, METHODS CITED IN STUDY AS KEYS TO GOOD EGG INDUSTRY FUTURE .....AUG 22 P. 5
EGG INDUSTRY CONSIDERS PRICING SYSTEM CHANGES .....AUG 22 P. 5
SALES MANAGER: COOPERATION AND DIESELS CAN CUT EGG ROUTE COSTS .....AUG 22 P. 10
AEB BUDGETS $6.9 MILLION TO CONTINUE ADVERTISEMENTS, RAISE CHOLESTEROL RESEARCH .....SEP 19 P. 6
NOMINATIONS SET FOR CALIFORNIA EGG AGENCY .....OCT 10 P. 30
AEB RADIO ADS WIN MAGAZINE COMPETITION .....DEC 12 P. 36
MIDEAST ORDERS 45 MILLION EGGS .....DEC 19 P. 7

EGG NUTRITION
BREAKING EGGS .....MAY 09 P. 6

EGG PROCESSING
NEARLY 50 MILLION DOZEN SHELL EGGS BROKEN IN PERIOD .....JAN 17 P. 40
EGG BREAKERS USE 42 MILLION DOZEN .....APR 25 P. 5
SHELL EGG BREAKAGE UP OVER YEAR AGO .....MAY 23 P. 91
USDA REPORTS ON EGG BREAKINGS .....JUL 18 P. 14
60 MILLION DOZEN EGGS BROKEN, USDA REPORTS .....AUG 08 P. 38
EGGS BROKEN IN JUNE TOTAL 63 MILLION DOZEN .....SEP 12 P. 7
55.8 MILLION DOZEN SHELL EGGS BROKEN IN AUGUST .....NOV 07 P. 6
ECI STUDIES EGG PACKING COSTS .....NOV 28 P. 39

ENERGY
ENERGY-MINIMIZING RATIONS CAN SAVE 37 TRILLION BTUS .....MAY 16 P. 52
BOTTOM LINE OF RESEARCH .....OCT 10 P. 19
THE 'TRUE METABOLIZABLE ENERGY' SYSTEM .....OCT 10 P. 21
THE 'TRUE METABOLIZABLE ENERGY' SYSTEM .....OCT 17 P. 23

ENVIRONMENTAL PROTECTION AGENCY
COSTLE, BLUM TO LEAD EPA .....MAR 21 P. 61
EPA BEGINS INVESTIGATION OF TOXAPHENE SAFETY .....MAY 30 P. 6

ESTRUS
PROSTAGLANDIN MAY BE CLEARED FOR BEEF USE IN '78 SCIENTIST SAYS .....OCT 10 P. 15

EUROPEAN COMMUNITY
EEC DROUGH EFFECTS LESS THAN FEARED .....JAN 03 P. 1
EEC IS PREPARING SECOND SOY-MILK POWDER SCHEME TO LOWER MILK POWDER SUPPLIES .....FEB 14 P. 5
EEC AG COMMISSIONER ASKS END TO U.S.-EEC 'PETTINESS' .....FEB 21 P. 9

EEC WHEAT STOCKS SEEN HIGHER, USE DECLINING BY 1980 .....FEB 21 P. 9
EEC PLANS ONLY 3% PRICE INCREASE THROUGHOUT 1977 .....MAR 14 P. 7
EEC DECIDES ON FARM PRICE CHANGES .....MAY 16 P. 6
GOOD EEC HARVEST INDICATES PRICES COULD DECLINE IN LAST QUARTER OF 1977 .....MAY 16 P. 6
EEC COURT RULES MILK POWDER SCHEME "INVALID" .....JUL 18 P. 4
EUROPEAN FAINS INCREASE FEED SUPPLIES .....SEP 26 P. 5
EUROPE'S FEED GRAINS DEMAND WILL BE LOW .....OCT 17 P. 2
EEC FEED GRAIN IMPORT LEVY RELIEF SEEN .....NOV 07 P. 3

EXCHANGES

CORN EXCHANGE OF BUFFALO
CORN EXCHANGE HEAD .....MAY 09 P. 42

CHICAGO BOARD OF TRADE
176 CBT VOLUME SETS SEVENTH STRAIGHT RECORD .....JAN 17 P. 30
HEADS CBT BOARD .....FEB 07 P. 48
LEVI ELECTED TO CBT .....MAR 14 P. 40
CBT VOLUME SETS NEW RECORDS .....APR 11 P. 39
TRADING SETS APRIL RECORD IN CHICAGO .....MAY 09 P. 43
MR. AMBASSADOR .....JUN 20 P. 6
CBT AND THE ZOO .....JUN 27 P. 3
FIRST-HALF VOLUME SETS CBT RECORD .....JUL 18 P. 29
CBT TRADING VOLUME UP; GRAINS DOWN .....SEP 12 P. 37
CBT TRADING SETS NINE-MONTH HIGH .....OCT 17 P. 7
CBT REDUCES MARGIN LIMITS ON 7 COMMODITIES .....NOV 28 P. 41
OCTOBER VOLUME SETS CBT RECORD .....NOV 28 P. 57
CBT REPORTS TRADING RECORD .....DEC 12 P. 48
CBT CHAIRMAN NOMINATED .....DEC 12 P. 49

CHICAGO MERCANTILE EXCHANGE
CME VOLUME NEARS RECORD .....APR 18 P. 43
MERC SETS RECORD FOR FIRST HALF .....JUL 18 P. 29
CME TRADING NEW HIGH DURING AUGUST .....SEP 12 P. 13
MERC TRADE VOLUME RECORD FOR 9 MONTHS .....OCT 17 P. 16
YEUTTER TO SUCCEED HARRIS AT MERCANTILE .....NOV 21 P. 49
CFTC ALLOWS CME TO MODIFY FEEDER CATTLE CONTRACT .....NOV 28 P. 58

EGG CLEARINGHOUSE, INC.
VOSS NAMED TO ECI .....JAN 03 P. 5
ECI PLANS WORKSHOP AT ATLANTA CONVENTION .....JAN 17 P. 5
ECI LIQUID WHOLE EGG TRADING BEGUN .....JAN 17 P. 16
EGG CLEARINGHOUSE ELECTS OFFICERS, ESTABLISHES NEW TRADE, ELECTION RULES .....OCT 03 P. 6

THE BOARD OF TRADE OF KANSAS CITY
KC BOARD APPROVES 2 RECORD MEMBERSHIPS .....JAN 03 P. 40
KC BOARD MOVES TO RAISE WHEAT RATE .....JAN 10 P. 64
KC EXCHANGE REPORTS RECORD FUTURES TRADE .....JAN 17 P. 6
COMPUTER USED IN KC EXCHANGE RECORD KEEPING .....MAR 14 P. 37
KC CALL SESSION SETS DAILY RECORD .....JUN 27 P. 42
STANDARD WHEAT MIDDS CONTRACT STUDIED IN KC .....AUG 08 P. 37
K.C. BOARD OF TRADE WILL STUDY GOALS, ISSUES .....SEP 12 P. 9

BRISK TRADING ON NEW KC MARKET .....SEP 12 P. 43
TRADING VOLUME OF CALL SESSION IN KC REPORTED .....NOV 28 P. 44

LOS ANGELES GRAIN EXCHANGE
L.A. EXCHANGE ELECTS .....JUL 04 P. 28

MEMPHIS BOARD OF TRADE
MEMPHIS BOARD OF TRADE .....MAR 14 P. 40

MIDAMERICA COMMODITY EXCHANGE
MIDAMERICA REPORTS 35% VOLUME INCREASE .....APR 18 P. 40
MIDAMERICA VOLUME UP 29% IN APRIL .....MAY 16 P. 58
MIDAMERICA VOLUME UP 26% THROUGH MAY .....JUN 13 P. 41
MIDAMERICA VOLUME UP 13% IN FIRST HALF .....JUL 18 P. 30
FINDING HEADS MIDAMERICA .....OCT 03 P. 18
MID AMERICAN EXCHANGE ELECTS MORGAN PRESIDENT .....OCT 24 P. 43
MIDAMERICA SOYBEAN, LIVE HOG VOLUME UP .....NOV 21 P. 16
MIDAMERICA NOVEMBER, 11-MONTH VOLUME UP .....DEC 12 P. 48

MINNEAPOLIS GRAIN EXCHANGE
NEWS REPORT OF EXCHANGE PRICING CALLED 'INFLAMATORY' .....JAN 10 P. 5
EXCHANGE BOARD REJECTS PROPOSED RULE CHANGES .....AUG 29 P. 1
MINNEAPOLIS EXCHANGE SENDS CFTC AMENDED GUIDELINES FOR SPOT CASH COMMITTEES .....SEP 12 P. 3
MPLS. EXCHANGE GOES ELECTRONIC .....OCT 03 P. 45
STICH ELECTED .....OCT 17 P. 40
MPLS. EXCHANGE BEGINS CASH CALL TRADING SESSIONS .....NOV 28 P. 44
MINNEAPOLIS EXCHANGE ADDS GRAIN CONTRACTS .....DEC 19 P. 24

MERCHANTS EXCHANGE OF ST. LOUIS
FRANCE HEADS EXCHANGE .....MAR 14 P. 40
ST. LOUIS BEGINS CASH CORN BY RAIL TRADING .....MAY 02 P. 28
ST. LOUIS EXCHANGE TELLS APRIL VOLUME .....MAY 16 P. 6
ST. LOUIS CASH CALLS UP 15% .....JUN 13 P. 23
ST. LOUIS CASH CALLS UP IN JUNE .....JUL 11 P. 7
ST. LOUIS CALL TRADING JUMPS .....OCT 17 P. 25

EXPORTS
GOLD KIST BROILER SALE TO USSR NEGOTIATED DIRECTLY .....JAN 10 P. 48
U.S. SHOULD BENEFIT FROM STRONGER WORLD FOOD, GRAIN NEEDS: DIERCKS .....JAN 17 P. 2
U.S. MAY BE MAJOR EXPORTER OF LIVESTOCK PRODUCTS BUT NOT OF EGGS IN FUTURE: BELL .....JAN 17 P. 5
THE MARKETPLACE .....JAN 17 P. 8
DENT CALLS FOR CARTER TO BE 'EXPORT ORIENTED' .....JAN 24 P. 12
U.S. MEAT BEATS MOST FOREIGN PRODUCT .....FEB 14 P. 4
GRAIN, FEED EXPORT VALUE DROP EXPECTED .....FEB 28 P. 6
BERGLAND'S CANADA-U.S. WHEAT PLAN DRAWS INDUSTRY SKEPTICISM, WARNINGS .....MAR 07 P. 2
U.S. WILL LIKELY REMAIN ONLY RESIDUAL SUPPLIES OF CHINESE GRAIN IMPORTS .....MAR 07 P. 5
THE MARKETPLACE .....MAR 07 P. 10
BERGLAND ADDS LITTLE TO CANADA WHEAT PICTURE .....MAR 14 P. 1
THE MARKETPLACE .....MAR 14 P. 10
FOOD-FOR-OIL POTENTIAL EXISTS WITH ARABS: CRANE .....MAR 21 P. 42
THE MARKETPLACE .....MAR 28 P. 6
CARTER PROMISES, POLITICAL EFFECTS MAKE SOYBEAN EMBARGO UNLIKELY .....APR 04 P. 1

FEEDSTUFFS SUBJECT INDEX
FOR ENTIRE YEAR 1977

GRAIN SHIPMENTS TO USSR CLEARED .....APR 04 P. 2
BROILER, EGG INDUSTRIES NOTE RAPID EXPANSION IN EXPORTS OF PRODUCTS .....APR 18 P. 5
U.S. MEATS ARE FORERUNNERS AT ASIAN FOOD SHOWS .....APR 18 P. 18
CANADA MAKES RULES AFFECTING U.S. LIVESTOCK .....APR 25 P. 16
JAPAN'S PER CAPITA FOOD CONSUMPTION SEEN AS FINAL LIMITER OF U.S. AG EXPORTS .....MAY 02 P. 7
USDA REPORTING DAILY GRAIN SALES OVER 100,000 TONS .....MAY 02 P. 38
U.S. SELLS CORN TO MEXICO .....MAY 02 P. 38
ECONOMIC SUMMIT OFFERS PROGRESS ON AG TRADE .....MAY 16 P. 8
BERGLAND REMARKS IN CANADA IRK GRAIN TRADE .....MAY 23 P. 6
THE MARKETPLACE .....MAY 30 P. 10
USDA TELLS OF NEW CORN EXPORT SALES .....JUN 06 P. 36
BERGLAND CHIDED FOR VIEW ON GRAIN EXPORT COMPETITION .....JUN 13 P. 1
U.S. ONLY NATION ABLE TO GET AG-INDUSTRY TALKS AT GATT: STRAUSS .....JUN 13 P. 1
176 MEAT EXPORT VALUE NEARS IMPORT LEVEL .....JUN 20 P. 15
NBMA WINS EGYPTIAN BROILER EXPORT CONTRACT .....JUN 27 P. 2
SOYBEAN EXPORTS BOOST OILSEED EARNINGS .....JUN 27 P. 3
AEB COMPILES EGG EXPORT LIST .....JUN 27 P. 4
USDA EXTENDS POLAND'S CREDIT FOR FEED GRAINS .....JUN 27 P. 42
PUERTO RICO CALLS VOLUNTARY EMBARGO ON SMALL EGGS .....JUL 11 P. 5
THE MARKETPLACE .....JUL 11 P. 8
U.S. CHANGES POLISH CREDITS .....JUL 11 P. 33
MEAT SALES ABROAD GET ADDED EMPHASIS .....JUL 25 P. 1
U.S. GRAIN CUSTOMERS SHOULD OVERBUY CURING SURPLUSES .....JUL 25 P. 1
THE CHANGING WORLD MARKET FOR FEED AND LIVESTOCK .....JUL 25 P. 19
GRAIN FOR OIL .....JUL 25 P. 23
NORWAY-U.S. GRAIN TRADE AGREEMENT RUNS ITS COURSE .....JUL 25 P. 24
SPAIN'S IMPORTS OF FEEDS GROW WITH PORK INDUSTRY .....JUL 25 P. 55
GRAIN EXECUTIVE WARNS AGAINST MORE GOVERNMENT INVOLVEMENT IN EXPORT SALES .....AUG 01 P. 3
U.S. POLICY TOWARD AG EXPORTS REMAINS BULLISH .....AUG 01 P. 3
TARGETING THE CUSTOMER FOR FOOD AND TECHNOLOGY .....AUG 08 P. 4
AEB EXPLORES EXPORTS TO MIDEAST .....AUG 08 P. 6
AG TRADE BALANCE LIKELY LOWER IN '77 .....AUG 08 P. 36
ATTITUDE IMPORTANT IN INCREASING MEAT SALES ABROAD .....AUG 15 P. 4
COOK SELLS CORN, WHEAT TO SOVIETS .....AUG 15 P. 37
OUTLOOK FOR GRAIN EXPORTS WEAK; CONCERN CENTERS ON PRICE FLOORS .....AUG 22 P. 1
SAVANNAH EXPORT DOCK READIED .....AUG 22 P. 5
CHECKOFF SYSTEMS SEEN AS WAY TO FUND EXPORTS .....AUG 29 P. 1
NORTH CAROLINA CATTLE TO GREECE .....AUG 29 P. 3
THE MARKETPLACE .....SEP 05 P. 10
POULTRYMEN HEAR NBMA EXPORT EXPERIENCES .....OCT 10 P. 6
THE MARKETPLACE .....OCT 10 P. 10
CONCERN FOR DOMESTIC, EXPORT MARKETS MOUNTS AS ILA STRIKE PERSISTS .....OCT 17 P. 1
EXPORTS OF EGGS, POULTRY MEAT HIGHER IN 1977 .....OCT 17 P. 10
DEVELOPING COUNTRIES CALLED MOST PROMISING U.S. EXPORT CUSTOMERS .....OCT 31 P. 2
60,000 CASES OF EGGS EXPORTED TO MIDDLE EAST .....OCT 31 P. 7
AUGUST EXPORTS OF U.S. LIVESTOCK PRODUCTS UP 16% .....OCT 31 P. 34
USDA SAYS FISCAL 1977 AGRICULTURAL EXPORTS HIT RECORD $24 BILLION .....NOV 07 P. 2
U.S. SHOULD PUSH EXPORT MARKETS: CLARK .....NOV 14 P. 2
EXPORT SHIPMENTS AT DULUTH PORT UP IN '77 SEASON .....NOV 28 P. 4
LIVESTOCK EXPORTS MAY DIP; POULTRY TO GAIN .....NOV 28 P. 22
WORLD TRADE CENTER FOR MINNESOTA GETS ENDORSEMENT .....NOV 28 P. 38
HELP OFFERED IN SELLING TO JAPANESE MARKET .....NOV 28 P. 39

U.S. AGRICULTURAL EXPORTS .....NOV 28 P. 64
CHASE ANALYZES IMPACT OF 20-MILLION-TON RUSSIAN BUYS .....DEC 12 P. 2
GRAIN EXEC URGES MORE EXPORT EMPHASIS .....DEC 12 P. 5
NEW LINE OF CREDIT APPROVED FOR POLAND .....DEC 12 P. 51
HEALTHY AG ECONOMY NEEDS MORE EXPORTS, CARGILL EXEC TELLS KANSAS FARMERS .....DEC 19 P. 7

FDA NOTICES
FDA APPROVES DRUG SUPPLEMENT CHANGE .....JAN 10 P. 64
FDA OKAYS WOUND SPRAY FOR LIVESTOCK .....JAN 10 P. 64
DRUG TO TREAT COWS' MASTITIS APPROVED .....JAN 17 P. 38
NADAS OKAYED FOR HELMINTH INFECTIONS .....FEB 14 P. 61
FDA OKAYS NEW NADA FOR HORSES .....MAR 21 P. 10
LABELING CHANGE IN FOWL NADA APPROVED .....MAR 21 P. 10
FDA SETS HEARING ON NADA WITHDRAWALS .....APR 18 P. 51
FDA WITHDRAWS NIHYDRAZONE APPROVALS .....APR 18 P. 51
NEW MONENSIN PREMIX OKAYED BY FDA .....APR 18 P. 51
FDA APPROVES NEW BAMBERMYCINS NADAS .....MAY 02 P. 8
FDA APPROVES LIQUID SUPPLEMENT .....MAY 09 P. 42
FDA DROPS METHOPRENE WITHDRAWAL PERIOD .....MAY 16 P. 71
SULFAMETHAZINE BOLUS NADA WITHDRAWN .....JUN 13 P. 47
FDA OKAYS DRUG TO RELIEVE COLIC PAIN .....JUL 04 P. 6
OKAYS WITHDRAWN ON ANTI-INFECTIVE SPRAYS .....JUL 04 P. 6
SUPPLEMENTAL NADA FOR INJECTABLE OKAYED .....JUL 04 P. 6
FDA EXTENDS COMMENT PERIOD FOR SACCHARIN .....JUL 11 P. 3
FDA REQUIRES NADAS FOR HEXACHLOROPHENE .....JUL 11 P. 3
LINCOMYCIN, LASALOCID COMBINATION APPROVED .....JUL 25 P. 76
INJECTABLE FORM OF OXYTETRACYCLINE OKAYED .....JUL 25 P. 76
FDA APPROVES LINCOMYCIN NADA .....JUL 25 P. 76
INJECTABLE DRUG FOR HORSES OKAYED BY FDA .....JUL 25 P. 76
DRUG APPLICATION TO TREAT HORSES APPROVED .....AUG 15 P. 40
NAVOBIOCIN INFUSION NADA OKAYED BY FDA .....AUG 15 P. 40
FDA REQUIRES NADAS FOR BOVINE TEAT DIPS .....AUG 15 P. 40
FDA APPROVES CHANGE IN NADA SPONSORSHIP .....AUG 15 P. 40
AMPROLIUM CRUMBLES NADA APPROVED .....AUG 29 P. 3
FDA OKAYS NADA DOR PHENYLBUTAZONE TABS .....AUG 29 P. 4
FDA APPROVES NEW HALOXON DRENCH LEVEL .....OCT 10 P. 5
BABY PIG ANEMIA INJECTABLE APPROVED .....OCT 10 P. 5
AMMONIATED COTTONSEED MEAL RULE AMENDED .....OCT 10 P. 5
FDA CORRECTS REGS ON GRAS, PRIOR SANCTION .....OCT 24 P. 7
FDA REVISES LABELING FOR NICARBAZIN .....NOV 07 P. 39
AMENDED RULES AFFECT PYRANTEL TARTRATE USE .....NOV 07 P. 40
NADA APPROVED FOR INSECTICIDE LABEL .....NOV 28 P. 67

FAR EAST
TAIWAN FEEDERS NEED LOWER PRODUCTION COSTS .....MAR 21 P. 53
JAPAN, TAIWAN GRAIN IMPORTS TO RISE THROUGH '80S .....JUL 25 P. 28

FARM EQUIPMENT
NEW FEEDING EQUIPMENT CAN SAVE TIME, ENERGY .....JAN 24 P. 47
THE MARKET PLACE .....FEB 07 P. 10
LOW GRAIN PRICES MAY CAUSE DROP IN FARM EQUIPMENT SALES: LEADERS .....SEP 26 P. 2
LARGER, DIESEL EQUIPMENT TREND TO CONTINUE WHILE ENERGY GROWS SCARCE .....OCT 03 P. 8

FARM LAND
THE MARKETPLACE .....JAN 03 P. 8
AG LAND VALUES UP SHARPLY; INCREASES SEEN CONTINUING .....MAR 07 P. 7
THE MARKETPLACE .....JUL 18 P. 8
THE MARKETPLACE .....NOV 21 P. 8
LOW COMMODITY PRICES SLOW FARMLAND PRICE INCREASES .....DEC 26 P. 5

FARM MARKETING
EGG INDUSTRY CAUTIONED ABOUT PROMOTION PATHS .....FEB 07 P. 18
THE MARKETPLACE .....FEB 21 P. 10
CALIFORNIA, MINNESOTA BANKS OFFERING FARMERS NEW IDEAS .....FEB 21 P. 39
HOW TO DEVELOP MORE EFFECTIVE SALES TERRITORY MANAGERS .....APR 04 P. 20
A MANAGEMENT INFORMATION SYSTEM MEASURES MARKETING EFFORTS WITH FACTS .....MAY 23 P. 40
THE MARKETPLACE .....JUN 13 P. 10
CO-OP MANAGER LOOKS AT FARMER, SUPPLIER IN 1990 .....JUL 11 P. 23
USDA TO AID MARKETING PLANS .....AUG 08 P. 37
CHANGING DAIRY INDUSTRY BROUGHT INTO PERSPECTIVE .....AUG 15 P. 27
HOW TO MAKE MARKET RESEARCH WORK HARDER .....OCT 17 P. 20
THE MARKETPLACE .....DEC 19 P. 10
EXCEPT FOR FEED, DEMAND FOR AGRI-INPUTS MAY SLACKEN IN '78; PRICES SLOW TO RISE .....DEC 26 P. 18

FARM NUMBERS
FARM NUMBERS OFF AGAIN .....JAN 03 P. 1
FARM NUMBERS CONTINUE SLOW FALL; AVERAGE SIZE TO GAIN SLIGHTLY IN '77 .....JAN 10 P. 5
FARM POPULATION DROPS IN 1976 .....APR 25 P. 10
U.S. FARM POPULATION SLIPS ANOTHER 600,000 FROM 1975 TO 1976: USDA .....SEP 19 P. 28

FARM RECEIPTS
THE MARKETPLACE .....MAR 28 P. 6
THE MARKETPLACE .....APR 25 P. 8
THE MARKETPLACE .....JUN 06 P. 10
SOUTHEASTERN FARM INCOME UP .....JUN 20 P. 34
THE MARKETPLACE .....JUL 04 P. 8
THE MARKETPLACE .....AUG 01 P. 8
THE MARKETPLACE .....AUG 15 P. 10
THE MARKETPLACE .....SEP 19 P. 8
THE MARKETPLACE .....OCT 17 P. 8
THE MARKETPLACE .....OCT 24 P. 10
$1 BILLION GAIN IN LIVESTOCK SALES POSSIBLE IN '77 .....OCT 31 P. 1
FARM INCOMES STABILIZED, DEBTS ROSE IN 1977; USDA .....NOV 21 P. 39

FATS
FAT MAY BE ECONOMICAL IN GROWING-FINISHING HOG DIETS RENDERER SYMPOSIUM TOLD .....FEB 28 P. 8
FEEDING ANIMAL FAT TO GROWING AND FINISHING PIGS .....APR 11 P. 20
DATA ON BENEFITS OF LIVESTOCK, POULTRY DIETS PRESENTED AT MINNESOTA CONFERENCE .....OCT 03 P. 22
ADDED FAT ADDS EFFICIENCY IN K-STATE SWINE TRIALS .....NOV 28 P. 10

FEED ADDITIVES
A GUIDE TO FEED ADDITIVES USED IN TURKEY PRODUCTION .....JAN 10 P. 34
CULTURES GAIN MORE ATTENTION AS POSSIBLE ANTIBIOTIC SUBSTITUTE, TURKEYMEN TOLD .....JAN 17 P. 6
A GUIDE TO FEED ADDITIVES USED IN BROILER AND EGG PRODUCTION .....JAN 24 P. 71

FDA ADVISORS VOTE TO ALLOW CONTINUED USE OF TETRACYCLINE .....JAN 31 P. 1
THE MARKETPLACE .....FEB 14 P. 12
SOME DRUGS SAID TO BOOST YOUNG PIG PERFORMANCE .....FEB 21 P. 13
FDA DOCUMENT MAY MEAN TIGHTER CONTROLS ON USE OF CARCINOGENS .....FEB 28 P. 5
ADDITIVES HELP GROWTH RATE OF ATROPHIC RHINITIS PIGS .....FEB 28 P. 18
A GUIDE TO FEED ADDITIVES USED IN SWINE PRODUCTION .....FEB 28 P. 51
BVM DIRECTOR: 59% OF REPORTED RESIDUES DUE TO USE OF INJECTABLES .....MAR 14 P. 1
ANIMAL HEALTH PRODUCT SALES NEAR $1.2 BILLION IN 1976 .....MAY 09 P. 2
FIRM TO APPEAL LATEST RULING ON GENTIAN VIOLET USE .....MAY 09 P. 5
FDA THREATENS TO WITHDRAW SULFA PRODUCTS .....JUN 20 P. 1
VETS WARY ON 'PRESCRIPTION' PLAN .....JUN 20 P. 1
FEED ADDITIVES MAY MAKE NUTRIENTS MORE AVAILABLE .....AUG 22 P. 42
A GUIDE TO FEED ADDITIVES USED IN CATTLE, SHEEP PRODUCTION .....OCT 03 P. A10
CHLORTETRACYCLINE, MONENSIN COMBO SAFE: SCIENTIST .....OCT 17 P. 13
FEED ADDITIVES ASSESSMENT BEGINS .....OCT 24 P. 5
CLEARANCES BOOST FEED ADDITIVE USE IN CANADA .....DEC 05 P. 15

FEED CONSUMPTION & PRODUCTION
'74 FEED PURCHASES NEARLY TWICE AMOUNT SPENT IN '69 .....JAN 24 P. 5
BEEF FEEDS TOP 44% OF TOTAL TEXAS TONNAGE .....FEB 21 P. 15
COMMERCIAL FEED TONNAGE IN IOWA DROPPED IN 1975 .....FEB 21 P. 39
NORTH CAROLINA REPORTS FEED TONNAGE DROP .....MAR 21 P. 17
FEED CONCENTRATES CONSUMED BY LIVESTOCK AND POULTRY .....MAR 21 P. 60
N.C. BROILER FEED TONNAGE DROPS SHARPLY IN 1976 .....MAY 02 P. 14
W. VIRGINIA FEED TONNAGE RISES .....MAY 16 P. 14
BEEF, DAIRY FEEDS TOP IDAHO TONNAGE .....MAY 16 P. 56
BEEF FEEDS TOP COLORADO TONNAGE .....MAY 16 P. 56
GRAIN, CONCENTRATES FED TO MILK COWS .....MAY 30 P. 13
FEED CONCENTRATES CONSUMED BY LIVESTOCK, POULTRY .....JUN 13 P. 44
ARKANSAS REPORTS FEED TONNAGE .....JUL 11 P. 24
MORE FEEDING, PRICES NEAR LOAN LEVELS PROJECTED BY USDA .....JUL 18 P. 1
ARIZONA FEED SALES UP 6.3% .....AUG 08 P. 37
1976 KANSAS FEED TONNAGE SETS RECORD OVER 1975 .....SEP 19 P. 18
WEST VIRGINIA FEED TONNAGE UP .....OCT 10 P. 40
COLORADO REPORTS FEED SALES .....OCT 31 P. 34
COMPLETE DAIRY FEEDS TOP IN ARKANSAS TONNAGE LEADER IN 1976-77 .....NOV 14 P. 14
WEST VIRGINIA FEED SALES UP IN FIRST HALF .....DEC 05 P. 40
NORTH CAROLINA TOTAL FEED DISTRIBUTED UP .....DEC 12 P. 28

FEED INDEX
COMMODITY-FEED PRICE RATIOS .....MAR 14 P. 48
COMMODITY-FEED PRICE RATIOS .....APR 18 P. 50
COMMODITY-FEED PRICE RATIOS .....MAY 16 P. 70
COMMODITY-FEED PRICE RATIOS .....JUN 06 P. 36
COMMODITY - FEED PRICE RATIOS .....JUL 11 P. 34
COMMODITY-FEED PRICE RATIOS .....OCT 17 P. 38
COMMODITY FEED PRICE RATIOS .....NOV 28 P. 64
COMMODITY-FEED PRICE RATIOS .....DEC 12 P. 48

FEED INDUSTRY
PENNAG PRESIDENT OUTLINES GROUP'S GOALS, CHALLENGES .....JAN 10 P. 26
SOME FEED FIRMS SUBPOENAED IN PRICE EXCHANGE INVESTIGATION .....JAN 17 P. 1

!RELATIVELY GOOD! 1977 SEEN FOR FEED MEN .....JAN 17 P. 2
FEED SPEAKERS DISCUSS MANAGEMENT .....JAN 24 P. 8
THE MARKETPLACE .....JAN 31 P. 10
TAKE LONG LOOK BEFORE FINANCING: BANKER .....MAR 07 P. 4
THE MARKETPLACE .....MAR 07 P. 10
PURCHASING EXEC HAS CARVED OUT KEY ROLE IN TODAY'S FEED MILL, SEMINAR TOLD .....MAR 14 P. 4
PUSH MADE TO UP CALIFORNIA FEED TONNAGE TAX .....MAR 21 P. 39
COMPANIES REPORT SAVINGS FROM SUPPLIER INSPECTIONS .....MAR 21 P. 44
FRENCH FEED INDUSTRY GROWTH SEEN CONTINUING .....APR 18 P. 40
AFMA'S CARDON RATES TOP INDUSTRY PROBLEMS: GOVERNMENT RULES, LIABILITY .....APR 25 P. 3
AGRIBUSINESS PROFIT PICTURE BECOMES MORE ENCOURAGING AFTER 'LONG, HARD WINTER' .....MAY 23 P. 1
PROTEIN PRICES CAUSING SOME MOVEMENT TO MORE COMPLETE FEED USAGE .....MAY 23 P. 5
FEED INDUSTRY MAY FACE NEW BEEF MARKET, CATTLEMAN TELLS AFMA .....MAY 30 P. 1
FEED EXECUTIVES DETAIL ESOP PROGRAMS, COST OF FEED CONTAMINATION ERROR .....MAY 30 P. 3
THE MARKETPLACE .....MAY 30 P. 10
FEED PURCHASES ROSE BY 14.6% TO $14.1 BILLION, IN 1976 ALL INPUTS UP 9% .....JUN 06 P. 2
ECONOMICS, SUPPLIES LEADING FEEDERS TO INCREASED WHEAT USE .....JUN 20 P. 1
FEED BUSINESS SLUMP IN FIRST HALF EASING, TRADE SEES UPTURN .....AUG 15 P. 1
EUROPE USING MORE COMMERCIAL FEED, BUT SLOWER GROWTH LIKELY .....AUG 29 P. 32
LIQUID FEED MANUFACTURERS IN THE U.S. IN 1977 .....SEP 05 P. 21
GRAIN, FEED INDUSTRY CAN COPE WITH FUTURE REGULATIONS, MARKETS, IGFA TOLD .....SEP 19 P. 5
THE MARKETPLACE .....SEP 19 P. 8
FEED MANUFACTURERS CAUTIOUSLY OPTIMISTIC OVER SALES THIS YEAR .....SEP 26 P. 1
SLOW GROWTH PREDICTED FOR ANIMAL FEEDING .....OCT 17 P. 1
THE MARKETPLACE .....OCT 17 P. 8
ABUNDANT SUPPLIES OF GRAIN MEAN MORE PROFIT FROM LIVESTOCK, POULTRY .....NOV 07 P. 1
FEED MAKERS ASKED TO COOPERATE IN 15-DAY SULFA WITHDRAWAL TIME .....NOV 14 P. 1
BEEF OUTLOOK PROMISING, OTHERS MORE GUARDED IN '78 .....NOV 14 P. 1
BETTER-TRAINED SALES FORCE NEEDED, FEED EXECS TOLD .....NOV 14 P. 4
ANIMAL AGRICULTURE TO BE PRODUCTIVE, PROFIT IN 1978, USDA SAYS .....NOV 21 P. 1
INDUSTRY BANKING ON MORE AND CHEAPER FEED TO STIMULATE DEMAND .....NOV 28 P. 17
FEED, PET FOOD INDUSTRIES PART OF CENSUS EFFORT .....DEC 12 P. 1

FEED MARKETING
DEALERS OFFERING TOTAL SERVICE PACKAGE CAN LURE FEEDERS' BUSINESS: SURVEY .....JAN 24 P. 12
FEED COMPANY PRINT MEDIA ADVERTISING DOWN IN 1976 .....APR 18 P. 40
GIVING HORSE OWNERS WHAT THEY WANT .....MAY 02 P. 21
FEED IS MAIN COMMODITY FOR FARM SUPPLIER .....AUG 01 P. 18
TRAVEL, CLOTHING ARE FAVORITES IN FEED PREMIUM/INCENTIVE PROGRAMS .....SEP 26 P. 28
HOW TO BUILD A MARKETING PLAN .....SEP 26 P. 31
INGREDIENT BUYER-SELLER RELATIONSHIPS EXAMINED AT NFIA CONVENTION SESSION .....OCT 10 P. 4
SPECIALTY FEEDS OFFER GOOD SALES, PROFIT POTENTIAL .....OCT 17 P. 26
CUSTOMER COMMUNICATION PLANNING STRESSED .....NOV 14 P. 31
NEW TOOLS FOR MARKETING RESEARCH: ASSESSING A COMPANY'S POSITION .....DEC 26 P. 19

FEED MILLS
FEED MILL CONSTRUCTION POPULAR IN '76 .....MAR 07 P. 1

FEED PROCESSING & MIXING
FEED MIXERS GENERALLY FIND NEW MANUFACTURING RULES REASONABLE .....FEB 14 P. 1
DAILY INVENTORY REQUIRED ONLY FOR PREMIXES: BIXLER .....MAY 09 P. 4
THE COMPUTERIZED FEED MILL .....MAY 16 P. 34

FDA EXTENDS TIME TO OFFER DATA ON MEDICATED BLOCKS .....MAY 23 P. 6
HOW TO CALCULATE PRODUCTION COSTS FOR FORMULA FEED .....MAY 23 P. 66
POULTRY CONSULTANT: MINI-COMPUTERS SIMPLIFY FEED MILLING AND POULTRY COMPUTATIONS .....JUL 04 P. 6
FEED MANUFACTURING TERMINOLOGY .....JUL 20 P. 103
FEED INGREDIENT DEFINITIONS .....JUL 20 P. 106
QUALITY CONTROL OF INCOMING INGREDIENTS .....JUL 20 P. 110
FEED MIXING REGULATIONS .....JUL 20 P. 116
CONTROL AND PREVENTION OF DRUG CROSS CONTAMINATION IN FEED .....JUL 20 P. 124
CONVERSION DATA .....JUL 20 P. 128
APPARENT DENSITIES OF DRY FEED INGREDIENTS .....JUL 20 P. 130
TREND CONTINUES TO LARGER EQUIPMENT, PROCESS CONTROL .....AUG 22 P. 34
THE ECONOMIC FEASIBILITY OF ON-FARM PACKAGE FEED CENTERS .....AUG 22 P. 39
SLIGHT DIFFERENCE IN FEED TEXTURE TREATMENT SEEN .....SEP 05 P. 12
COMING RULES MAY MEAN SEPARATE FEED MIXING UNITS .....OCT 17 P. 4
BVM CLARIFIES INVENTORY RULES UNDER NEW MANUFACTURING PRACTICES .....NOV 07 P. 3

FEEDLOTS
MORE SMALL FEEDLOTS THAN BIG DISAPPEAR IN 1976 .....FEB 07 P. 5

FEEDSTUFFS ANALYSIS TABLE
INGREDIENT ANALYSIS TABLE: 1977 EDITION .....JUL 20 P. 31
1977 FEEDSTUFFS ANALYSIS TABLE .....AUG 01 P. 16
TYPICAL COMPOSITION OF FEEDS FOR CATTLE AND SHEEP, 1977-78 .....OCT 03 P. A02

FERTILIZER
SEVERE WEATHER MAY HAVE CUT FERTILIZER SUPPLY .....FEB 14 P. 1
NET FERTILIZER SUPPLIES PEGGED 5% HIGHER THAN ONE YEAR AGO .....MAY 16 P. 6
NITROGEN LOSS IN SWINE WASTE APPLICATION STUDIED .....SEP 26 P. 12

FINANCING
CONSULTANT SAYS ECONOMIC GROWTH MAY LAST FIVE YEARS .....JAN 31 P. 9
ABA ASKS URBAN BANKS FOR FARM FUND COMMITMENT .....FEB 28 P. 59
TAKE LONG LOOK BEFORE FINANCING: BANKER .....MAR 07 P. 4
THE MARKETPLACE .....MAR 14 P. 10
'DISASTER' POTENTIAL GROWS WITH FEWER, BUT LARGER FARM LOANS: CONAGRA'S HATCH .....MAR 28 P. 4
ATLANTA BANK GATHERS DATA ON AG LOANS .....APR 11 P. 12
THE MARKETPLACE .....APR 25 P. 8
EQUITY CAPITAL SHORTAGES AHEAD FOR AGRICULTURE .....MAY 23 P. 1
FEED EXECUTIVES DETAIL ESOP PROGRAMS, COST OF FEED CONTAMINATION ERROR .....MAY 30 P. 3
BANKERS SEEN TAKING SECOND LOOK AT AGRICULTURE AS OTHER INVESTMENTS PALE .....MAY 30 P. 27
ECONOMIST PREDICTS LEVEL PRICES, FINDS LOWER AG BANKER OPTIMISM .....JUN 06 P. 3
THE MARKETPLACE .....AUG 15 P. 10
PROFIT HIKES ELUDE MANY AGRIBUSINESSES .....AUG 22 P. 1
FINANCIAL STRESS ON THE FARM .....AUG 29 P. 21
MAJOR CREDIT PROBLEM BUILDING .....SEP 05 P. 32
GETTING CREDIT FOR THAT HIGH-PRICED LAND .....SEP 12 P. 30
PAYING OFF THE FARM DEBT .....SEP 19 P. 20
BANKER SEES NEED FOR MORE AG LENDERS, CONSULTANTS .....OCT 03 P. 2
THE MARKETPLACE .....OCT 03 P. 10
MARKETING MEETING SET NOV. 2-3 .....OCT 31 P. 6
INTEREST RATES WILL RISE, INFLATION MAY SLOW A BIT, ECONOMISTS TELL AG BANKERS .....NOV 21 P. 6
LONG TERM ECONOMIC PICTURE GRIM, AG MARKETERS TOLD .....NOV 21 P. 7

FARMERS' CASH FLOW PROBLEMS POSE WORRY FOR SUPPLIERS .....NOV 28 P. 20
THE MARKETPLACE .....DEC 05 P. 10
CO-OP BANK PRESIDENT SAYS CO-OPS NEED MONEY TO GROW .....DEC 12 P. 7
BANKERS CITE MANAGEMENT AS LOAN FACTOR; ENERGY ANALYST SEES PROBLEMS IN PROPOSALS .....DEC 19 P. 6
THE MARKETPLACE .....DEC 19 P. 10

FISH HEALTH
U.S. JAPANESE TEAMS TO STUDY FISH HEALTH .....AUG 29 P. 32

FISH INDUSTRY
MISSISSIPPI CATFISH FARMERS FACE COLD WEATHER PROBLEMS .....FEB 21 P. 7
ANNUAL CATFISH FESTIVAL PLANNED .....APR 04 P. 19

FISH MEAL
U.S. FISH MEAL OUTPUT OFF A BIT .....JAN 17 P. 5
FISH MEAL, SOLUBLES PRODUCTION UP IN '76 .....FEB 14 P. 28
SUPPLY, DEMAND GAP CAUSES CONCERN FOR FISH MEAL INDUSTRY .....MAR 21 P. 5
'76 FISH PRODUCT OUTPUT ROSE IN THIRD QUARTER .....MAR 21 P. 50
FISH MEAL SYMPOSIUM IS UPDATED ON LATEST RESEARCH .....MAR 28 P. 5
FISH MEAL OUTPUT OFF FROM 1976 .....AUG 15 P. 29
JUNE FISH MEAL PRODUCTION UP .....AUG 29 P. 7
JULY FISH MEAL PRODUCTION OFF .....OCT 10 P. 29

FISH NUMBERS
PROCESSED CATFISH PRODUCTION DOWN .....JAN 03 P. 32
NOVEMBER CATFISH PRODUCTION DOWN .....JAN 10 P. 45
DECEMBER CATFISH PRODUCTION DOWN .....FEB 07 P. 46
JANUARY CATFISH PRODUCTION RISES .....MAR 07 P. 18
PROCESSED CATFISH TOTALS NOTED BY FISHERIES SERVICE .....MAR 07 P. 18
FEBRUARY CATFISH PRODUCTION IS UP .....APR 11 P. 25
CATFISH OUTPUT OFF IN MARCH .....MAY 02 P. 23
MAY CATFISH HARVEST REPORTED .....JUL 25 P. 65
CATFISH YIELD UP, IMPORTS DOWN .....AUG 29 P. 22
JULY CATFISH PROCESSING UP .....SEP 05 P. 38

FISH NUTRITION
ALPHA-TOCOPHEROL FOUND BENEFICIAL TO FISH STORAGE .....SEP 05 P. 38
RESEARCHER SAYS SUBSTANCE SPURS FISH TO EAT .....SEP 12 P. 44

FOOD AID
INTERNATIONAL AID GROUPS STRESS AG DEVELOPMENT .....JUL 11 P. 6

FOOD & DRUG ADMINISTRATION
FDA'S CHRIS BURNETT RETIRES .....JAN 17 P. 28
FEED MIXERS GENERALLY FIND NEW MANUFACTURING RULES REASONABLE .....FEB 14 P. 1
DR. E. E. KERR TO RETIRE FROM FDA .....FEB 21 P. 39
STANFORD PROFESSOR NEW FDA HEAD .....MAR 07 P. 5
PETITIONERS SEEK TO RESCIND OR STAY SENSITIVITY OF METHOD ORDER .....APR 04 P. 2
AHI FILES SUIT TO HALT IMPLEMENTING RESIDUE METHOD .....MAY 16 P. 2
VETS HOPE PLAN GETS FDA OKAY FOR MINOR-USE DRUGS .....MAY 30 P. 26
FDA'S KENNEDY HOLDS FIRM ON DRUG ISSUE .....JUN 06 P. 1
FDA'S KENNEDY SAYS HE INTENDS TO AVOID PITFALLS HIS PREDECESSOR FACED .....JUN 13 P. 6

CORRECTED FORM FD-1800 NOW AVAILABLE .....AUG 01 P. 5
PENNSYLVANIA/FDA INSPECTIONS END .....AUG 01 P. 25
FDA OFFICIAL TELLS AAFCO OF NEW DRUG, FD-1800 CLASSES .....AUG 08 P. 1
VAN HOUWELING TO RESIGN FDA POST .....SEP 12 P. 2
FDA EXTENDS USE OF OLD FORM 1800S .....SEP 19 P. 2
FDA INSPECTION CHECKLIST AVAILABLE .....SEP 19 P. 5
HEW PROPOSES MEAT INSPECTION TRANSFER TO FDA .....DEC 12 P. 1
COURT TO HEAR AHI, FDA ARGUMENTS ON HANDLING OF SENSITIVITY PROPOSAL .....DEC 19 P. 2
JUDGE RULES IN FAVOR OF AHI IN SENSITIVITY OF METHODS ARGUMENT .....DEC 26 P. 4

FOOD PRODUCTION
PUBLIC'S CONCERN ABOUT FOOD SAFETY INCREASING: CONSULTANT .....JAN 03 P. 26
CHALLENGE OF MAKING AGRICULTURAL DEVELOPMENT PROJECTS IN LESS DEVELOPED COUNTRIES ECONOMICALLY VIABLE .....JAN 17 P. 21
CONSUMERS WANT SIMPLER FOOD SYSTEM, LOWER FOOD PRICES, ACA SURVEY SHOWS .....FEB 21 P. 2
U.S. HAS CAPACITY TO PRODUCE PLENTY OF ANIMAL PRODUCTS TO 2000, BEYOND; CUNHA .....FEB 28 P. 10
URUGUAYANS EAT MOST MEAT .....APR 04 P. 16
INPUT SHORTAGES LIKELY TO AFFECT FOOD PRODUCED .....APR 18 P. 1
FOOD DAY '77 FOCUSES ON PERSONAL NUTRITION .....APR 18 P. 8
THE MARKETPLACE .....NOV 07 P. 8

FOOD PURCHASES
FARMER GETS SMALLER SHARE OF FOOD DOLLAR .....MAR 21 P. 43
THE MARKETPLACE .....MAR 28 P. 6
MOST COUNTRIES' MEAT EATING UP, LATEST DATA SHOW .....MAY 23 P. 123
FOOD PRICES MAY GAIN 4-6% IN '77 .....MAY 30 P. 6
THE MARKETPLACE .....JUN 20 P. 8
USDA WILL BEGIN PURCHASES OF TURKEYS, TURKEY ROLLS FOR PROGRAMS .....JUL 04 P. 28
RECENT TRENDS IN FOOD PRICE INDEXES IN SELECTED COUNTRIES .....JUL 25 P. 22
THE MARKETPLACE .....SEP 05 P. 10
USDA BUYS CHICKEN FOR CHILDREN, ELDERLY .....OCT 03 P. 6
THE MARKETPLACE .....OCT 24 P. 10
USDA PURCHASES CHICKENS, TO BUY CANNED PRODUCT .....OCT 31 P. 6
USDA PURCHASES CHICKEN FOR PROGRAMS .....NOV 14 P. 6
THE MARKETPLACE .....NOV 28 P. 8

FORAGE
AGRONOMIST OFFERS SYSTEM TO SIMPLIFY FORAGE GRADING .....SEP 26 P. 49

FORCE MOLTING
MOLTING QUESTION COMPLEX, A CALIFORNIA STUDY SHOWS .....JAN 03 P. 16
FORCED MOLTINGS UP IN DECEMBER .....JAN 10 P. 29
FORCE MOLTING BECOMING MORE PRECISE TECHNIQUE .....JAN 24 P. 41
CHICK PRODUCTION, FORCED MOLTING AMONG SEPEA TOPICS .....FEB 14 P. 26
FEBRUARY MOLTINGS DECLINE SLIGHTLY .....MAR 14 P. 40
CALIFORNIA FARM ADVISOR SAYS FAST MOLT USEFUL .....MAR 21 P. 22
FEWER HENS FORCE MOLTED IN MARCH .....MAY 02 P. 7
FORCE MOLTING COMPLETION DOWN .....JUL 18 P. 5
FORCE MOLTING REPORTED DOWN FROM LAST YEAR .....SEP 05 P. 14

FREIGHT RATES
GRAIN, FEED RAILROAD SHIPPERS SHOULD EXPECT 4% FREIGHT HIKE .....JAN 03 P. 2
NORTH WESTERN BEGINS NEW 75-CAR TARIFF .....JAN 03 P. 11

BROILER COUNCIL PROTESTS SOUTHERN RAILROAD GROUP'S RATE PROPOSAL .....JAN 17 P. 5
SOUTHERN FREIGHT GROUP POSTPONED HARVEST-TIME FREIGHT RATE PROPOSAL .....JAN 24 P. 10
ICC HIKES RAIL FREIGHT RATES .....NOV 14 P. 5
CANCELS SEASONAL RATE .....DEC 19 P. 42

FUEL
SOLAR GRAIN DRYING STUDIES NOW UNDERWAY IN 12 STATES .....JAN 10 P. 47
SOLAR HEAT USES CONSIDERED LIMITED .....JAN 17 P. 6
SOLAR HEATING WARMS VENTILATION AIR 25 DEGREES .....JAN 17 P. 10
STUDIES SHOW SOLAR GRAIN DRYING CAN SAVE ENERGY, BUT MORE PROBLEMS PRESENT .....JAN 24 P. 58
USE OF PARTIAL-HOUSE BROODING AND SOLAR ENERGY IN BROILER HOUSES .....JAN 24 P. 72
INDUSTRY CUTS ENERGY USE, BUT NOT TO SHORT WEEK .....FEB 07 P. 7
AG ENERGY IMPACT COULD BE GREATEST: USDA .....FEB 21 P. 6
POULTRY INDUSTRY ANTICIPATES MORE ENERGY SHORTAGES, SEEKS CONSERVATION IDEAS .....FEB 21 P. 7
POULTRY HOUSE IN GEORGIA TEST MAY BE 50% SUN-HEATED .....FEB 28 P. 32
SOLAR GRAIN DRYING SHOWN TO SAVE ENERGY .....FEB 28 P. 61
ENERGY STUDIES UTILIZE COMPUTER .....MAR 21 P. 53
ENERGY CRISIS PROMPTS POULTRY INDUSTRY TO SEEK FUEL, ELECTRICITY SAVINGS .....MAR 28 P. 9
AGRICULTURE SEEMS TO FARE WELL IN ENERGY PLAN; UNCERTAINTY ABOUNDS .....APR 25 P. 1
$8-MILLION ENERGY RANCH TO BE BUILT IN ARIZONA .....APR 25 P. 44
AFMA OFFERING ENERGY BOOK .....APR 25 P. 65
AG ENERGY WILL BE AVAILABLE, BUT COSTLY: BOLDT .....MAY 09 P. 1
HEAT RECOVERY FEASIBLE IN DRYING IF FUEL COSTS HIGH .....MAY 16 P. 41
ENERGY-SAVING TIPS OFFERED TO THE PRODUCER, PROCESSOR .....MAY 23 P. 24
WOOD HEAT FOR USE IN BROODER HOUSES DESCRIBED .....MAY 23 P. 84
ENERGY SAVER PROGRAM OUTLINED AT AFMA .....MAY 30 P. 3
EXPERIMENT TO GIVE GOLD KIST LARGEST SOLAR ENERGY SYSTEM .....JUN 06 P. 19
RISING ENERGY COSTS WILL HIT PROCESSORS, CONSUMERS .....JUN 13 P. 7
FEED INDUSTRY LEADER IN CUTTING USAGE OF ENERGY .....JUN 20 P. 1
ADEQUATE PROPANE SUPPLIES PREDICTED .....JUN 20 P. 34
AMPLE GRAIN SUPPLIES MAY EAST COSTS FOR PRODUCERS IN SQUEEZE .....JUN 27 P. 1
SPEAKERS TELL POULTRYMEN HOW TO SAVE ON ENERGY .....JUN 27 P. 15
BROILER HOUSE TEST CUTS FUEL REQUIREMENTS BY 90% .....JUL 11 P. 16
STUDIES SHOW SOLAR GRAIN DRYING WORKS .....JUL 25 P. 4
AG ENERGY USE A NEED NOT EASY TO MEET, EXPERTS TELL COMMITTEE .....JUL 25 P. 6
REPORT SAYS SOLAR HEATING ECONOMICAL IN POULTRY HOUSE .....AUG 08 P. 16
LOW-COST SOLAR HEATING SYSTEMS FOR BROILER HOUSES .....AUG 08 P. 19
SOLAR HEATING STUDY .....AUG 15 P. 4
TEMPERATURE CONTROL SAVINGS DETAILED .....AUG 22 P. 5
SALES MANAGER: COOPERATION AND DIESELS CAN CUT EGG ROUTE COSTS .....AUG 22 P. 10
SOLAR CONFINEMENT BUILDING OFFERED BY HOUSING FIRM .....AUG 22 P. 33
CORN FUELED TRACTORS? .....AUG 29 P. 34
ENERGY COSTS WILL HIT DAIRIES, FEEDLOTS HARDEST: CAST .....SEP 05 P. 16
CONCERN EXPRESSED OVER NATURAL GAS SUPPLIES TO DRY 1977 GRAIN .....SEP 19 P. 1
PEIA HEARS ABOUT SOLAR OUTLOOK, ENERGY PICTURE .....OCT 03 P. 1
THE MARKETPLACE .....OCT 10 P. 10
AG ENGINEER OUTLINES SOLAR HEATING RESEARCH .....OCT 10 P. 12
AGWAY DESIGNS NEW ENERGY-SAVING STORE .....OCT 24 P. 4
COUNCIL ON AG SCIENCE REVIEWS STRATEGIES TO CONSERVE ENERGY IN ANIMAL PRODUCTION .....OCT 31 P. 7
AGWAY ENERGY LAB BUILT FOR SOLAR HEATING, COOLING .....NOV 07 P. 4
ENERGY BILL EXEMPTS FUEL WITH ALCOHOL .....NOV 07 P. 4
METHANE FROM CATTLE MANURE TO REPLACE FUEL OIL .....NOV 14 P. 1

NEBRASKA 'GASOHOL' MEETING LOOKS AT PROMISE, PROBLEMS .....NOV 14 P. 4
RESEARCHERS STUDY ECONOMY OF SOLAR HEAT METHODS IN POULTRY BROODING .....NOV 14 P. 17
THE MARKETPLACE .....NOV 21 P. 8
MORE THAN 350 FARMERS TELL ACA THEIR ENERGY CONCERNS ON LATEST FARM LINE .....NOV 28 P. 4
GEORGIA RESEARCHERS EXPAND PROGRAM FOR POULTRY ENERGY CONSERVATION .....DEC 05 P. 6
SOLAR-COLLECTED FARROWING HEAT STUDIED AT K-STATE .....DEC 05 P. 12
SOLAR GRAIN DRYING STUDIES CONTINUE .....DEC 26 P. 4

FUTURES TRADING
MORE FARMERS THAN EXPECTED USE FUTURES .....JAN 17 P. 4
UNCERTAINTIES FORCING MORE USE OF FUTURES MARKETS .....JAN 31 P. 41
CFTC DEVELOPS NEW REGISTRATION FORMS .....FEB 14 P. 44
FUTURES TRADING JUMPED STRONGLY .....FEB 21 P. 7
CBT JANUARY TRADING BOLUME SETS NEW RECORD .....FEB 21 P. 33
FUTURES MARKETS CALLED 'REFEREE' OF WORLD TRADE .....MAR 07 P. 7
LITTLE HOSTILITY AGAINST LIVESTOCK FUTURES SENSED NATIONALLY; CME .....MAR 14 P. 16
SOYBEAN COMPLEX MARGIN CHANGES APPROVED BY CBT .....MAR 28 P. 63
FUTURES COMMISSION STEPS INTO SOY MARKET; COMPETITION FOR SUPPLIES KEEN .....MAY 02 P. 1
HUNT CASE IN COURT; POSITION RELEASE DEBATED .....MAY 09 P. 2
TRADE DEBATES FALLOUT FROM SOYBEAN TUSSLE AS HUNTS WIN APPEAL .....MAY 16 P. 1
CFTC RAISES POSITION LIMITS .....MAY 16 P. 72
HUNTS, CFTC SPLIT DECISION ON RELEASE OF DATA .....MAY 23 P. 5
BASIS CONSIDERATIONS IN HEDGING .....MAY 23 P. 38
COURT UPHOLDS CFTC SPECULATIVE SOYBEAN LIMITS .....JUN 13 P. 2
CFTC CAMPAIGN GOES TO PUBLIC FOR PROTECTION RULE COMMENTS .....OCT 31 P. 4
CME PLANS BROILER CONTRACT WHITE CBT PROPOSES CHANGES IN ORIGINAL .....NOV 21 P. 6

GAME BIRDS
PHEASANT TESTS SHOW SCIENTISTS OPTIMUM DIETS .....JAN 03 P. 6
NUTRITIONIST SAYS RESEARCH IN PHEASANT DIETS NEEDED .....SEP 26 P. 5
RESEARCHERS STUDY BOBWHITE QUAIL DIET .....OCT 10 P. 19

GEESE
GOOSE BREEDING LAG CITED, BUT INTEREST INCREASES .....SEP 12 P. 44
GOOSE INDUSTRY SEEKS IMPROVEMENT, GROWTH .....SEP 19 P. 16

GRAIN & THE LAW
GRAIN AND THE LAW .....JAN 31 P. 26
GRAIN AND THE LAW .....MAR 21 P. 38
DELAY IN PERFORMANCE .....MAY 02 P. 18
GRAIN MERCHANDISING .....JUN 13 P. 32
PURCHASE CONFIRMATION .....JUL 04 P. 18
ARBITRATION AGREEMENTS - ARE THEY ENFORCEABLE? .....AUG 29 P. 25
OFFICIAL WEIGHTS ON BARGES .....OCT 03 P. 44
WHAT HAPPENS DURING CONTRACT ARBITRATION .....NOV 21 P. 30

GRAIN ELEVATORS
ECONOMY OF POLLUTION RULES QUESTIONED .....JAN 24 P. 6
ILLINOIS GRAIN MEN TOLD 'BOOM' CAN CONTINUE .....FEB 21 P. 1
PACE OF ELEVATOR CONSTRUCTION QUICKENS .....MAR 21 P. 1
CAPACITY OF OFF-FARM GRAIN STORAGE FACILITIES .....MAR 21 P. 32
CONTROLLING EXPLOSIONS WILL TAKE TIME, EFFORT, SYMPOSIUM FINDS .....OCT 10 P. 1

THE MARKETPLACE .....NOV 28 P. 5
ELEVATOR EXPANSION PLANS OUTLINED AT NGFA MEETING .....DEC 12 P. 1
HIGH STOCKS, LARGE HARVEST COULD CREATE GRAIN STORAGE PROBLEM IN COMING SEASON .....DEC 19 P. 9

GRAIN HANDLING
THE MARKETPLACE .....JAN 10 P. 12
SOLAR GRAIN DRYING STUDIES NOW UNDERWAY IN 12 STATES .....JAN 10 P. 47
STUDIES SHOW SOLAR GRAIN DRYING CAN SAVE ENERGY, BUT MORE PROBLEMS PRESENT .....JAN 24 P. 58
INFRARED SPECTROSCOPY CAN BE USED TO MEASURE TOXIC VAPORS .....JAN 24 P. 63
NGFA PROTESTS PROPOSED POLLUTION RULES .....FEB 21 P. 1
CHANGES IN QUALITY OF GRAIN DURING OVERSEAS SHIPMENT .....MAR 21 P. 31
IOWA DEVELOPS WAY TO MEASURE MECHANICAL CORN DAMAGE .....MAR 21 P. 32
THE MARKETPLACE .....APR 04 P. 10
PROCEDURE SUGGESTED FOR WELDING, CUTTING PLANT .....MAY 23 P. 82
SENATE APPROVES CLEAN AIR ACT AMENDMENT EXCLUDING SMALL ELEVATORS .....JUN 13 P. 2
EPA BACKS OFF ON ELEVATOR DUST POLLUTION RULES .....JUN 27 P. 1
DRYERATION, GRAIN ELEVATOR PERFORMANCE IN A FLUCTUATING ENERGY SITUATION .....AUG 22 P. 23
GRAIN ELEVATOR NOISE CONTROL .....AUG 22 P. 38
SPOILAGE, HEATING, BINBURNING AND FIREBURNING: THEIR NATURE, CAUSE AND PREVENTION IN GRAIN .....OCT 24 P. 39
RESEARCHERS, ENGINEERS LIST DUST EXPLOSION EQUIPMENT .....NOV 14 P. 7
GRAIN STANDARDS ADVISORY UNIT MEETING SET .....NOV 28 P. 4
'GRAINFETTI' BEING MIXED IN AS IDENTIFICATION .....DEC 05 P. 39
MOISTURE CONTENT OF CORN .....DEC 12 P. 23
GRAIN INDUSTRY WANTS OFFER RATES; UNIFORM RATES LIKELY .....DEC 19 P. 9
SHRINK CONTROL, BUDGETING GUIDES LISTED .....DEC 19 P. 9

GRAIN INSPECTION
BATON ROUGE AGENCY GIVES UP INSPECTIONS .....JAN 03 P. 2
USDA ANNOUNCES FEES TO BE PAID FOR OFFICIAL FGIS GRAIN INSPECTION, WEIGHING .....JAN 10 P. 8
TRADE PETITIONS CONGRESS FOR FGIS INSPECTION RULE RELIEF; SENATORS GIVE VIEWS .....FEB 07 P. 4
FGIS TO SOLICIT RECORD-KEEPING, SIGN-UP IDEAS .....FEB 07 P. 55
FOUR FIRMS PLEAD NO CONTEST; ARE FINED ON WEIGHING .....FEB 14 P. 5
WISCONSIN TAKES OVER INSPECTION .....FEB 14 P. 11
SEN. DOL: '76 GRAIN ACT WEAKENED BACKBONE OF U.S. EXPORT PROGRAM .....FEB 21 P. 6
FGIS TO START GRAIN WEIGHING DUTIES .....MAR 14 P. 49
GRAIN INSPECTION USER FEE SYSTEM MAY BE DROPPED .....MAR 21 P. 6
'SIGNIFICANT' ECONOMIC IMPACT OF FGIS TO BE BORNE BY INDUSTRY: LASERSON .....MAR 21 P. 8
NGFA PANEL GRILLS FGIS OFFICIALS CLOSELY ON ASPECTS OF NEW SYSTEM .....MAR 28 P. 1
LEGISLATIVE CHANGES MAKE SUPERVISION FEES UNLIKELY .....APR 18 P. 4
FGIS EXPANDS GRAIN INSPECTION ROLE ALONG LOWER MISSISSIPPI .....MAY 09 P. 4
USDA BACKS GRAIN INSPECTION USER FEE .....MAY 09 P. 5
HOUSE GROUP OKS 50-50 SPLIT ON INSPECTION COSTS .....MAY 16 P. 1
INDIANA INSPECTOR LOSES LICENSE .....MAY 16 P. 69
THREE CAROLINANS LOSE LICENSES IN GRAIN INDICTMENTS .....MAY 16 P. 72
SEN. CLARK THINKS HOUSE RESTRICTION ON INSPECTION FEE RUNS COUNTER TO GRAIN ACT .....JUN 13 P. 7
GRAIN INSPECTION CHANGES NOTED .....JUN 13 P. 44
FGIS POSTPONES SUPERVISORY FEES .....JUN 20 P. 36
FGIS INSPECTORS BEGIN GALVESTON GRAIN WORK .....JUL 04 P. 27
FARM BILL WOULD REQUIRE FEDERAL FUNDING OF GRAIN INSPECTION SERVICES .....AUG 15 P. 4
NEW GRAIN INSPECTOR BEGINS AT CHATTANOOGA .....SEP 12 P. 12
FGIS TAKES OVER INSPECTION AT THREE ELEVATORS .....OCT 10 P. 29
MODIFICATIONS ALLOWING COMMODITY MARKET OWNERSHIP OF INSPECTION AGENCIES RAPPED .....OCT 31 P. 4

USDA SAYS 17 GRAIN EXCHANGES IN CONFLICT OVER INSPECTIONS .....NOV 28 P. 1
FGIS OFFERS WAYS GRAIN EXCHANGES CAN RESOLVE ALLEGED CONFLICTS OF INTEREST .....DEC 05 P. 2
GRAIN MONITORING SYSTEM MAY HELP MAINTAIN STANDARDS, SAY USDA, CARGILL .....DEC 05 P. 2
TV GRAIN MONITORING .....DEC 12 P. 1
BARTELT GIVES STATUS REPORT ON FGIS; AREAS OF MAJOR CONCERN ARE PINPOINTED .....DEC 12 P. 2
GREAT LAKES GRAIN CERTIFICATE RULE ADOPTED .....DEC 12 P. 7
USDA CHANGES FEE SCHEDULE FOR GRAIN INSPECTION .....DEC 12 P. 48
CORRECTION .....DEC 19 P. 5
INSPECTOR BRIBE ATTEMPT FAILS .....DEC 26 P. 7

GRAIN MERCHANDISING
PROPOSED GRAIN STANDARDS CHANGES MAY NOT BE NECESSARY; DONNELL .....JAN 03 P. 10
'GRAIN TRADE' SEEKS TO INCREASE CONSUMER UNDERSTANDING OF INDUSTRY .....JAN 10 P. 8
IOWA STUDY FINDS CORN GRADE CHANGES BENEFICIAL .....MAR 07 P. 34
GTA'S GRAIN COMMITMENT PROGRAM MORE FLEXIBLE IN '77 .....MAR 21 P. 8
NEED FOR SERVICES FROM COUNTRY ELEVATORS OUTLINED .....MAR 21 P. 40
SOUTH CAROLINA EXAMINES SALES OF GRAIN UNDER LOAN .....MAY 16 P. 54
PREDICTING THE SUCCESS OF GRAIN ELEVATOR MANAGERS .....MAY 30 P. 22
USDA LETS COOPERATIVES POOL GRAIN FOR CCC SUPPORT LOANS .....JUN 06 P. 1
GRAIN AND THE LAW .....JUN 13 P. 32
'EQUAL-OR-BETTER' GRAIN CERTIFICATE OKAYED BY FGIS .....JUN 13 P. 43
HALF OF ILLINOIS ELEVATORS SURVEYED REPORT OFFERING DELAYED PRICING OF GRAIN .....NOV 21 P. 5
LOCATING GRAIN SUBTERMINALS .....DEC 05 P. 27
CO-OPS MUST COORDINATE GRAIN MARKETING TO IMPROVE EXPORTS, ECONOMISTS SAY .....DEC 26 P. 6

GRAIN PRESERVATIVES
EASTMAN CHEMICALS CALLS PROPIONIC ACID 'ECONOMIC' MOLD INHIBITOR IN GRAIN .....OCT 24 P. 6

GRAIN RESERVES
GEORGIA'S IRVIN PUSHES FOR MORE ON-FARM STORAGE TO BUILD RESERVES .....JAN 17 P. 28
DON'T BE COMPLACENT ABOUT WORLD'S GRAIN STOCKPILES, JAENKE WARNS .....JUN 06 P. 2
WORLD GRAIN PRICES WILL BE UNSTABLE WITHOUT GRAIN RESERVE: ECONOMIST .....JUN 13 P. 4
U.S. WILL PARTICIPATE IN WORLD FOOD RESERVE IF OTHER NATIONS WILL .....JUN 27 P. 3
CANADA EXTENDS FEED GRAIN RESERVE POINTS .....JUL 04 P. 28
BERGLAND EXPANDS NATIONAL GRAIN RESERVE PROGRAM TO REACH GOAL .....DEC 12 P. 5
U.S. NEGOTIATING WHEAT RESERVE, AGREEMENT, SEPARATE AGREEMENT COVERING FEED GRAINS .....DEC 26 P. 2

GRAIN SORGHUM
TESTS SHOW SOVIET POULTRY BENEFIT FROM U.S. SORGHUM .....APR 11 P. 17

GRAIN SUPPLIES & DEMAND
WORLD COARSE GRAIN PRODUCTION .....JAN 03 P. 40
DEMAND LINKED TO WEATHER, ECONOMY .....JAN 10 P. 9
THE MARKETPLACE .....JAN 17 P. 8
'77 CORN ACREAGE MAY HIT HIGHEST SINCE 1949; SOYBEANS UP 8% .....JAN 24 P. 5
1976 CORN OUTPUT HITS 6.2 BILLION BUS., SOYBEANS TOP 1.2 BILLION: USDA .....JAN 24 P. 6
TRADE SURPRISED BY CORN STOCKS; SOYBEANS IN LINE .....JAN 31 P. 2
SPRING RAINS HOLD KEY TO GRAIN MARKETS .....FEB 07 P. 1
POULTRYMEN HEAR ABOUT GRAIN, SOY PRICE PROSPECTS .....FEB 07 P. 6
LIVESTOCK, NOT CROPS, MAY HAVE EDGE IN '77: DALY .....FEB 07 P. 9
'76-'77 FEED GRAIN SUPPLY UP 5%; DOMESTIC USE TO CLIMB .....FEB 14 P. 2
WORLD GRAIN CROP SET AT RECORD LEVEL .....FEB 28 P. 32

ENERGY STUDY INDICATES GRAIN PRODUCTION CHANGES .....MAR 14 P. 37
DECLINING SOYBEAN SUPPLIES CANNOT SUSTAIN CURRENT USE RATE, USDA SAYS .....MAR 28 P. 1
BETTER WEATHER IMPROVES OUTLOOK FOR 1977 CROP YEAR, USDA SAYS .....MAR 28 P. 5
$10 SOYBEANS BEGIN TO RATION USE, BUT PRICES COULD GO HIGHER .....APR 18 P. 1
APRIL SOYBEAN STOCKS OFF 29%, FEED GRAINS UP .....APR 25 P. 1
SOYBEAN USE CUTBACK CALLED FOR IN FACE OF SHORT SUPPLIES .....APR 25 P. 2
LARGE FEED GRAIN SUPPLIES MAY DULL PRICE FLUCTUATIONS .....APR 25 P. 3
ANALYST SAYS WORLD FEED GRAIN STOCKS NOT LIKELY TO RISE AS MUCH AS WHEAT .....APR 25 P. 5
WORLD GRAIN STOCKS EXPECTED TO BE AT RECORD LEVELS IN 1978, DESPITE SMALLER CROP .....MAY 09 P. 4
CORN PLANTING AHEAD OF PLAN; WHEAT OFF 6% .....MAY 16 P. 2
FEED GRAIN CROP SHOULD TOP 1976 BY 5%; DOMESTIC USE DECLINES SLIGHTLY .....MAY 16 P. 2
USDA UPS SOYBEAN EXPORT ESTIMATE; MEAL DEMAND ALSO SEEN INCREASING .....MAY 16 P. 7
WORLD COARSE GRAIN PRODUCTION & CONSUMPTION .....MAY 16 P. 62
CROP, SUPPLIES SEEN ENCOURAGING WHEAT FEEDING .....MAY 23 P. 11
$11 OLD-CROP SOYBEAN PEAK PROJECTED AT AFMA .....MAY 30 P. 1
CORN, SOYBEAN PLANTINGS AHEAD; MOISTURE IS KEY .....JUN 06 P. 1
AMPLE GRAIN SUPPLIES MAY EASE COSTS FOR PRODUCERS IN SQUEEZE .....JUN 27 P. 1
WORLD GRAIN SUPPLIES LOOK GOOD: USDA .....JUN 27 P. 2
CORN, WHEAT SURPLUSES BUILDING FOR '78 .....JUN 27 P. 4
SOYBEAN STOCKS OFF 40% FROM 1976, LOWEST IN FOUR YEARS; WHEAT STOCKS UP .....JUN 27 P. 4
USDA RAISES CORN CARRYOVER .....JUN 27 P. 42
'77 CORN ACREAGE ESTIMATE NO SURPRISE; SOYBEAN ACRES HIGH .....JUL 04 P. 1
RECORD CORN OUTPUT PEGGED AT 6.33 BILLION BUSHELS .....JUL 18 P. 2
WORLD GRAIN PRODUCTION PEGGED AT LEVELS SLIGHTLY BELOW 1976 .....JUL 25 P. 2
WORLD COARSE GRAIN PRODUCTION GAINS SOME, BUT WHEAT OUTPUT FALLS .....JUL 25 P. 24
WHEAT SET-ASIDE DUE, CORN POSSIBLE, USDA'S HJORT SAYS .....AUG 15 P. 1
USDA PROJECTS CORN CROP DOWN 4%, SOYBEANS UP .....AUG 15 P. 2
POSSIBLE 6% INCREASE IN DOMESTIC FEEDING OF GRAINS SEEN IN 1977-78 .....SEP 05 P. 4
ARMYWORMS ATTACK SOUTHERN FARM CROPS ALREADY HIT BY DROUGHT, INSECTS, AFLATOXIN .....SEP 12 P. 2
SET-ASIDE OPTIONS BROADENED; CROP REPORT CITES GAINS .....SEP 19 P. 1
MIDWEST RAINS STALL HARVEST; AFLATOXIN DANGER SMALL BUT BORER DAMAGE POSSIBLE .....OCT 03 P. 2
USDA SAYS GRAIN TRADE WILL BE UP ON LOWER YIELDS .....OCT 03 P. 7
USDA: FARM PRICE FOR CORN WILL AVERAGE $1.90-2.10, BASED ON OCT. 12 ESTIMATES .....OCT 17 P. 2
WORLD PRODUCTION, CONSUMPTION OF COARSE GRAINS .....OCT 17 P. 25
FEED GRAIN STOCKS UP SHARPLY; LARGEST SINCE '73 .....OCT 31 P. 2
GRAIN STOCKS UP 59% ON OCT. 1; CORN STOCKS MORE THAN DOUBLE .....OCT 31 P. 5
LOWER FEEDING COSTS TO SPUR GREATER FEED USE ON 6% FEED GRAIN HIKE: USDA .....NOV 07 P. 2
SUPPLY-DEMAND ESTIMATES REVISED .....NOV 07 P. 42
RECORD HARVEST OF CORN, SOYBEANS SLOWED BY WEATHER .....NOV 14 P. 1
HIGHER NOVEMBER CROP PROJECTIONS INCREASE FEED GRAIN SET-ASIDE CHANCES .....NOV 14 P. 2
U.S. GRAIN STOCKS .....NOV 14 P. 44
CORN CROP UP, NO CHANGE IN USE PROJECTIONS .....NOV 14 P. 47
WORLD COARSE GRAINS .....NOV 28 P. 64
WHETA SEEDING, ROW CROP HARVEST NEARLY COMPLETE .....DEC 12 P. 51
CORN, WHEAT, SOYBEAN SUPPLIES LIKELY AMPLE IN '78, DEMAND GOOD: FORECASTERS .....DEC 19 P. 2
1978 ESTIMATES FOR CROP ACREAGE DUE JANUARY 20 .....DEC 19 P. 2
WORLD GRAIN PRODUCTION ESTIMATE HIKED .....DEC 26 P. 7

HAY

WEATHER CAUSES MIXED WINTER WHEAT OUTLOOK .....JAN 17 P. 2
FORAGE, GRASSLANDS COUNCIL DISCUSSES HAY GRADING, FEEDER PROFITS, FORAGES .....FEB 21 P. 4
HAY STOCKS CHOPPED, PRICES EDGE HIGHER .....FEB 28 P. 10

SOYBEAN HAYS STUDIED FOR THEIR CATTLE RATION VALUE .....MAR 07 P. 14
HAY MARKETING RULES PROPOSED .....MAR 14 P. 41
JAPAN LOOKS TO PACIFIC NORTHWEST FOR HAY NEEDS .....MAR 21 P. 43
DROUGHT EFFECTS STILL PLAGUE PASTURES .....APR 18 P. 1
TREATED HAY MAINTAINS QUALITY BETTER IN TRIALS .....MAY 02 P. 15
SHORT OF HAY, SOUTHERN CATTLEMEN SEEK ROUGHAGES .....AUG 01 P. 5
HAY COSTLY, HARD TO GET IN PENNSYLVANIA .....AUG 29 P. 3
INDIANA CO-OPS TO ESTABLISH CASH MARKET FOR HAY .....OCT 31 P. 32
HAY SCARCE IN SOUTH CAROLINA .....DEC 05 P. 41
CASH HAY MARKET SET FOR JANUARY IN INDIANA .....DEC 12 P. 20
HAY SHOWN TO BE IMPORTANT FOR CALVES; LATER PROGRESS .....DEC 26 P. 14

HEDGING
THE MARKETPLACE .....SEP 05 P. 10

HORMONES
IMC TESTS SHOW RESULTS OF USING ZERANOL IMPLANT .....JAN 03 P. 20
CAST REPORT DEFENDS SAFETY OF STILBESTROL USE IN CATTLE PRODUCTION .....JAN 31 P. 5
DES CUTS FAT, HENCE CANCER: JUKES .....FEB 28 P. 8
FDA BEGINS DES HEARINGS; AHI SAYS IT WILL PRESS SENSITIVITY OF METHOD SUIT .....MAY 23 P. 6
THE DES HEARINGS: WHAT WAS LEARNED .....NOV 21 P. 22

HORSE NUMBERS
WORLD HORSE NUMBERS INCREASE .....JUL 25 P. 26

HORSE NUTRITION
HORSES MAY NOT NEED AS MANY FEED SUPPLEMENTS .....APR 11 P. 38
K-STATE, AFTER 60-YEAR HIATUS, STUDIES HORSES .....NOV 14 P. 12

HOUSING
BROILER HOUSE VENTILATION, HEAT CONTROL CALLED IMPORTANT .....JAN 10 P. 30
CONFINEMENT, MORE INTENSIVE USE OF FACILITIES CHANGE FACE OF PORK INDUSTRY .....FEB 28 P. 1
POULTRY PRODUCERS TOLD FOGGING COOLS HOUSES BEST .....FEB 28 P. 30
POULTRY HOUSE IN GEORGIA TEST MAY BE 50% SUN-HEATED .....FEB 28 P. 32
INSULATION GOOD BUY, MIDWEST AUDIENCE TOLD .....MAR 14 P. 6

HUMAN SIDE OF NUTRITION
WHAT IS A 'NORMAL' CHOLESTEROL LEVEL IN HUMANS? .....FEB 14 P. 42

IMPORTS
MEXICAN EGG IMPORTS STIR DISEASE FEARS IN EGG, BROILER INDUSTRIES .....JAN 03 P. 28
BIRD IMPORTERS GIVEN MORE TIME .....JAN 17 P. 14
IMPORTS OF MEXICAN CATTLE MAY BE HINDRANCE TO U.S. CATTLEMEN .....JAN 24 P. 36
AGREEMENTS SET ON MEAT IMPORT LEVELS IN '77 .....MAR 07 P. 4
1977 MEAT IMPORT ESTIMATE UNCHANGED .....APR 25 P. 5
CANADIAN EGG PRODUCT IMPORTS FAVORED BY USDA .....JUN 13 P. 7
MEAT IMPORTS BELOW QUOTA LEVEL .....JUL 11 P. 2
THE MARKETPLACE .....JUL 18 P. 8
U.S. TIGHTENS RULES ON CANADIAN CATTLE .....JUL 25 P. 76
NCA CALLS FOR BEEFING UP MEAT IMPORT LAW .....SEP 26 P. 5
ISRAEL POULTRY TO U.S. PROPOSED .....OCT 10 P. 7
MEAT IMPORTS WON'T REACH QUOTA LEVELS .....OCT 17 P. 13

POULTRY CURTAINS SCARCE: STRIKE CITED .....NOV 21 P. 5

INTEGRATION & CONTRACT FARMING
THE MARKETPLACE .....MAY 16 P. 10
PORK INTEGRATION OFFERS BENEFITS, RISK TO FEED MEN .....SEP 19 P. 1
NON-INTEGRATED HOG PRODUCERS SEEN BENEFITTING FROM MORE GRAIN STORAGE .....SEP 26 P. 5

IODINE
COWS CAN TOLERATE HIGH LEVELS OF IODINE USED TO FIGHT FOOT ROT, RESEARCHERS SAY .....FEB 21 P. 5

IRON
BABY PIG SAID TO NEED IRON SHOT AT THREE DAYS .....JAN 31 P. 25
RESEARCH FINDS IRON SOURCES VARY FOR YOUNG PIGS .....DEC 19 P. 12

JAPAN
JAPAN LOOKS TO PACIFIC NORTHWEST FOR HAY NEEDS .....MAR 21 P. 43
FEED GRAINS COUNCIL HEARS ABOUT SOME OF FISHING ZONE EFFECTS ON JAPANESE .....SEP 05 P. 4
HELP OFFERED IN SELLING TO JAPANESE MARKET .....NOV 28 P. 39
JAPAN SEEKS TO DOUBLE GRAIN STORAGE CAPACITY: GOLD KIST EXEC .....DEC 26 P. 34

LABOR MANAGEMENT & RELATIONS
DECISION THAT DRIVERS NOT FARMERS WON'T NECESSARILY AFFECT OTHER ACTIVITIES: NBC .....JAN 24 P. 10
THE MARKETPLACE .....MAY 09 P. 10

LAMB INDUSTRY
OBSERVERS THINK SLIDE IN SHEEP NUMBERS MAY HAVE HIT BOTTOM .....JAN 03 P. 4
LAMB MARKETING MEETINGS SLATED .....JAN 17 P. 18
SHEEPMEN SEEK INDUSTRY REVITALIZATION .....FEB 07 P. 16
SOUTHWEST SHEEP OUTLOOK PICKS UP, PRICES ADVANCE .....APR 18 P. 15
OUTPUT INDEXES FOR MOST MEAT ANIMALS UP IN '76; BUT SHEEP MARKETINGS FELL .....MAY 02 P. 6
SHEEPMEN WAGE UPHILL BATTLE FOR MARKET .....JUL 11 P. 1

LAMB MANAGEMENT
CROSSBRED SHEEP MAY PRODUCE TWO LAMBS YEARLY .....AUG 08 P. 15

LAMB NUMBERS
SHEEP, LAMBS ON FEED OFF 8% FROM YEAR EARLIER .....JAN 24 P. 6
SHEEP, LAMB SLAUGHTER UP 5% .....MAR 21 P. 10
SHEEP, LAMBS ON FEED DOWN 4% .....NOV 21 P. 46

LAMB NUTRITION
ALFALFA AS A SUPPLEMENT TO INCREASE ROOD INTAKE AND IMPROVE THE USE OF LOW-GRADE ROUGHAGES .....FEB 07 P. 24
SHEEPMEN CAUTIONED ON POMACE AND NPN .....JUN 13 P. 18
TEXANS REPORT RESULTS OF EWE, LAMB FEEDING WORK .....DEC 19 P. 14

LAWSUITS
SOUTH CAROLINA POULTRY FIRMS NAMED IN SUITE .....JAN 31 P. 8
NBMA TO APPEAL RULING AGAINST BROILER PRODUCERS .....MAY 16 P. 8
COMPANIES BEGIN FILING BROILER ANTITRUST SETTLEMENTS .....JUL 25 P. 6
NINE BROILER FIRMS PROPOSE ANTITRUST SETTLEMENT .....AUG 01 P. 6
FIVE COMPANIES FINED FOR FIXING BROILER PRICES .....SEP 26 P. 6
COURT FIND HUNTS GUILTY OF SOYBEAN LIMIT VIOLATIONS .....OCT 03 P. 7

APPEALS COURT UPHOLDS FTC ORDER TO END NCEN EGG ADVERTISING CLAIMS .....DEC 05 P. 1
JUDGE RULES IN FAVOR OF AHI IN SENSITIVITY OF METHODS ARGUMENT .....DEC 26 P. 4

LAYER HEALTH
MIDWEST AUDIENCE WARNED ABOUT MG .....MAR 14 P. 6
NPIP READY TO TACKLE MG PROBLEM IN EGG INDUSTRY .....MAR 14 P. 18
MG IMMUNIZATION MAY HELP CURB EGG PRODUCTION LOSSES .....APR 25 P. 18
TESTS SHOW AIRSACCULITIS INCREASES IN COOL HOUSES .....SEP 05 P. 13
WORKERS OFFER ADVICE ON IBD, MD VACCINATIONS .....OCT 31 P. 16

LAYER MANAGEMENT
EGG HANDLING IS CRITICAL IN HATCHERY OPERATIONS .....JAN 03 P. 15
HATCHABILITY PROBLEMS NEED INVESTIGATION, SCIENTIST SAYS .....JAN 10 P. 28
HEAT STRESS STUDY NOTES GLANDULAR EFFECTS .....JAN 10 P. 30
MANAGERS TOLD IMPORTANCE OF HATCHERY SANITATION .....JAN 10 P. 43
PRODUCERS CAUTIONED ABOUT BREEDER HOUSE CRITERIA .....JAN 24 P. 62
HANDLING MANURE IN THE DEEP-PIT OR HIGH RISE CAGE LAYING HOUSE .....JAN 24 P. 78
VISUAL, SCIENTIFIC SANITATION TESTS CALLED ESSENTIAL .....FEB 07 P. 18
GEORGIA SCIENTIST NOTES CHICK PRODUCTION NEEDS .....FEB 14 P. 24
CHICK PRODUCTION, FORCED MOLTING AMONG SEPEA TOPICS .....FEB 14 P. 26
EGG BREAKAGE STUDIES SHOW CAUSES, COSTS .....FEB 14 P. 27
LIGHTING PROGRAMS FOR POULTRY .....FEB 14 P. 39
OILING EGGS REDUCES DECLINE IN ALBUMEN QUALITY, STUDY SHOWS .....FEB 21 P. 18
POULTRY PRODUCERS TOLD FOGGING COOLS HOUSES BEST .....FEB 28 P. 30
EGG DAMAGE MEASURED FOR GATHERING SYSTEMS .....MAR 07 P. 17
SOUTH CENTRAL LAB STUDIES EGG MORTALITY .....MAR 28 P. 9
SPACE ALLOTMENTS FOR POULTRY .....APR 04 P. 22
EGG EXECUTIVE SAYS GENETICS MUST FIGHT COSTS .....APR 11 P. 7
ENERGY-SAVING TIPS OFFERED TO THE PRODUCER, PROCESSOR .....MAY 23 P. 24
MOST PROFIT GAINED WITH FEWER BIRDS, GOOD SPACING .....MAY 23 P. 89
ECONOMICS, MANAGEMENT KEYS TO PULLET PERFORMANCE .....MAY 30 P. 16
HOT WEATHER ADVERSELY AFFECTS HOGS, LAYERS, FIRM'S RESEARCH SHOWS .....JUN 06 P. 16
MANAGEMENT TIPS GIVEN TO MINIMIZE LAYER EXPENSES .....JUN 20 P. 10
ADVISOR OFFERS TIPS ON LAYER CAGE CAPACITIES .....JUL 04 P. 12
REVERSE CAGES CAN REDUCE EGG BREAKAGE .....JUL 18 P. 13
HOUSING VENTILATION COST TIPS OFFERED .....AUG 08 P. 7
TEMPERATURE CONTROL SAVINGS DETAILED .....AUG 22 P. 5
MANUFACTURER OF REVERSE CAGES FOR LAYERS PREDICTS BETTER EGG PRODUCTION .....OCT 24 P. 6
ENGINEER COMPARES COSTS OF HEATING, INSULATION FOR LAYERS .....OCT 31 P. 15
ATTAINABLE GOAL: 200 EGGS PER LAYER AT 60 WEEKS .....NOV 07 P. 14
DEBEAKING STUDY: 'V' METHOD INCREASES IMPACTED BEAKS .....NOV 21 P. 10
SPECIALISTS REPORT ON CURTAINS, HATCHER FILTERS .....NOV 28 P. 12

LAYER NUMBERS
DECEMBER EGG PRODUCTION, LAYER TOTAL UP FROM '75 .....JAN 31 P. 6
JANUARY EGG LAYINGS OFF 1%; CHICK PLACEMENTS UP 5%; TURKEY HATCH UP 2% .....FEB 28 P. 11
EGG PRODUCTION DROPS 5% AS LAYER NUMBERS DECLINE IN FEBRUARY .....MAR 21 P. 11
USDA REPORTS JANUARY 1 REVISED POULTRY FIGURES .....APR 11 P. 6
LAYING FLOCK OFF 1% APRIL 1; BROILER-CHICK HATCH UP 4% .....APR 25 P. 5
USDA REPORTS COMBINED U.S. POULTRY INCOME OF $7.1 BILLION IN 1976 .....APR 25 P. 7
BROILERS SHOULD LEAD PARADE OF INCREASED WORLD POULTRY MEAT OUTPUT IN '77: USDA .....MAY 09 P. 5
EGGOTYPE CHICK HATCH UP 7%, BROILERS UP 4% .....MAY 23 P. 11

EGG OUTPUT UP SLIGHTLY; BROILER, TURKEY HATCHES UP .....JUN 27 P. 3
USDA: LAYERS, TURKEYS DOWN, BROILERS UP IN JUNE .....JUL 25 P. 6
USDA: TURKEYS NEAR RECORD; EGGS AND CHICKENS DECREASE .....AUG 29 P. 5
TURKEY, BROILER SETTINGS UP, EGG PRODUCTION DECREASES .....SEP 26 P. 6
EGG OUTPUT, BROILER, TURKEY HATCHES UP .....OCT 24 P. 6
EGG PRODUCTION, BROILER TURKEY HATCH UP IN OCTOBER .....NOV 21 P. 4
EGG OUTPUT UP 4% IN NOVEMBER; BROILER HATCH UP 5%, POULTS OFF 2% .....DEC 26 P. 6

LAYER NUTRITION
OHIO SCIENTISTS RECOMMEND LEVEL OF CALCIUM FOR GOOD EGG SHELLS .....JAN 10 P. 55
SUMMARY OF PAPERS FROM THE MEETING OF THE POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURE SCIENTISTS .....MAR 14 P. 36
TRI-STATE POULTRY GROUP SAYS SESSION PRODUCTIVE .....APR 11 P. 7
NUTRITION STUDY OUTLINES EFFECTS ON LAYERS, EGGS .....APR 11 P. 15
RESPONSES OF LAYING HENS TO THE EXTRA-CALORIC EFFECT OF FAT .....APR 25 P. 20
OYSTER SHELL USE SAID TO STABILIZE EGG PRODUCTION .....MAY 09 P. 6
PHOSPHORUS AND LAYING HEN NUTRITION .....JUN 20 P. 18
PHOSPHORUS AND LAYING HEN NUTRITION .....JUN 27 P. 33
POULTRYMEN HONOR YOUTH, HEAR DIET FOR STRONGER EGGS .....AUG 01 P. 4
ADVISOR URGES CARE IN LAYER FEED LIMITATION .....AUG 01 P. 10
NUTRITIONIST SAYS LOW-ENERGY DIETS MAY HELP PULLETS .....AUG 08 P. 17
THE ENERGY REQUIREMENTS OF LAYING HENS FOR MAINTENANCE, ACTIVITY AND EGG PRODUCTION .....AUG 08 P. 18
TEST: NO THICKER SHELLS WITH NEW VITAMIN D. BETABOLITE .....SEP 26 P. 15
RESTRICTED PULLET FEEDING IMPROVED LAYER RETURN .....OCT 03 P. 14
SUMMER LOSSES SPUR RESEARCH ON PHOSPHATE LEVELS IN LAYER DIETS .....OCT 10 P. 6
STUDIES EXPLORE EGG SHELL QUALITY, MINERALS IN RATIONS .....OCT 10 P. 42
25-HYDROXY-D3, VITAMIN D3 AND GRADED LEVELS OF PHOSPHORUS: EFFECT ON EGG PRODUCTION AND SHELL QUALITY .....OCT 24 P. 40
DIAGNOSING A POULTRY FIELD PROBLEM: THE 'NO-EGG SYNDROME' .....NOV 14 P. 24
PROTEIN, ENERGY, PROBIOTICS TESTED ON POULTRY .....DEC 05 P. 26
LAYER PHOSPHORUS LEVELS LISTED: HEAT CHANGES NEED .....DEC 19 P. 17
DECLINING SHELL QUALITY RELATED TO INCREASED WEIGHT .....DEC 26 P. 16

LEGISLATION
SENATE AG COMMITTEE MAY GET LAND-USE PLANNING AUTHORITY .....JAN 03 P. 4
FARM BILL MOST IMPORTANT '77 AG LEGISLATION .....JAN 10 P. 5
RURAL-ORIENTED LEGISLATORS DOMINATE AG COMMITTEE MEMBERSHIP REQUESTS .....JAN 10 P. 6
HOUSE, SENATE ALTER AG COMMITTEES .....JAN 24 P. 10
HOUSE MEMBERS ASSIGNED TO AG SUBCOMMITTEES .....JAN 31 P. 4
NEW ADMINISTRATION GOING OVER AG BUDGET .....JAN 31 P. 4
COOP SPOKESMAN SEES FARM BILL, GRAIN INSPECTION AS MAJOR CONCERNS .....FEB 14 P. 5
FARM BILL FATE TIED TO STANCE OF ADMINISTRATION .....MAR 07 P. 2
AG COMMITTEE .....MAR 21 P. 61
CORN-WHEAT RELATIONSHIP KEY TO CARTER LOANS .....APR 04 P. 1
HOUSE SUBCOMMITTEE PLAN SETS LOAN, TARGET LEVELS ABOVE OTHERS PROPOSED .....APR 11 P. 1
U.S. DOESN'T NEED ANOTHER CONSUMER AGENCY, SAYS MEAT INSTITUTE PRESIDENT .....APR 25 P. 3
SUMMARY OF FOOD AND AGRICULTURE ACT OF 1977 .....OCT 17 P. 6

LETTERS TO THE EDITOR
SEES PROSPECTIVE CHANGE IN SOY TREND .....JAN 17 P. 41
LABOR'S COSTS .....FEB 07 P. 42
REMEMBERS GOLDEN .....MAR 21 P. 57
THE COST OF FOOD .....APR 04 P. 39
THE LOSS OF 'A HIGH CLASS FIRM' .....APR 18 P. 42

FINDS FAULT IN SENATE DIETARY GOALS .....APR 25 P. 61
WANTS BARGE USER FEES .....APR 25 P. 61
CAUTIONS ON ANTIBIOTIC ISSUE .....MAY 30 P. 6
DENSITY OF UREA .....AUG 08 P. 5
TOO MUCH HAM IMPORTED .....AUG 08 P. 5
COMMENTS ON FAMILY FARMS .....SEP 19 P. 10
FLIRTING WITH DISEASE THROUGH IMPORTS .....DEC 05 P. 23

LIGHTING
LIGHTING PROGRAMS FOR POULTRY .....FEB 14 P. 39

LIQUID FEEDS
MOST INGREDIENT SUPPLIES TERMED ADEQUATE; BUT PRICES GOING HIGHER ALONG WITH ENERGY .....MAY 02 P. 8
LIQUID SUPPLEMENT DEALERS AIR WANTS, DISLIKES IN RELATIONSHIP WITH SUPPLIER .....SEP 04 P. 4
COMEBACK FOR LIQUID FEEDS EYED .....SEP 05 P. 17
LIQUID FEED MANUFACTURERS IN THE U.S. IN 1977 .....SEP 05 P. 21
LIQUID SUPPLEMENT USE WITH CROP RESIDUES CALLED «GROWTH POTENTIAL» .....SEP 19 P. 4
FARMERS, DEALERS UPDATED ON LIQUID PROTEIN .....DEC 05 P. 5

LITTER
MORE INTEREST EVIDENT IN POULTRY LITTER AS LESS COSTLY, MORE AVAILABLE FERTILIZER .....JAN 03 P. 5

LIVESTOCK SLAUGHTER
NOVEMBER RED MEAT OUTPUT RISES 16% ABOVE YEAR AGO; BEEF UP 9%, PORK UP 7% .....JAN 03 P. 3
RED MEAT OUTPUT UP 7% OVER '75 .....JAN 31 P. 5
RED MEAT OUTPUT HOLDS STEADY; PORK PRODUCTION INCREASES 6% .....MAR 07 P. 4
RED MEAT OUTPUT UP 6% IN FEBRUARY .....APR 04 P. 7
USDA SAYS FIRST-HALF MEAT OUTPUT TO TOP YEAR-EARLIER .....APR 11 P. 1
MARCH RED MEAT OUTPUT UP; BEEF, LAMB, MUTTON LAG '76 .....MAY 02 P. 6
APRIL RED MEAT OUTPUT UP 3% FROM 1976 .....MAY 30 P. 36
RED MEAT OUTPUT INCREASES FOR FIFTH STRAIGHT QUARTER; FIRST QUARTER IS RECORD .....JUN 06 P. 6
ALL RED MEAT OUTPUT INDEXES UP .....JUL 04 P. 3
JUNE RED MEAT OUTPUT UP BY 5% OVER 1976 .....AUG 01 P. 4
RED MEAT PRODUCTION DOWN IN JULY, UP IN SIX MONTHS, USDA REPORTS .....AUG 29 P. 4
AUGUST RED MEAT OUTPUT UP; ONLY LAMB, MUTTON REGISTER DECLINES .....OCT 03 P. 4
SEPTEMBER RED MEAT PRODUCTION OFF 3% FROM 1976 .....OCT 31 P. 5
OCTOBER RED MEAT OUTPUT DOWN 4% .....NOV 28 P. 1

LYSINE
LYSINE DEMAND IN SOUTH AMERICA SEEN EXPANDING .....DEC 26 P. 58

MAGNESIUM
MAGNESIUM IN ANIMAL NUTRITION .....JUN 27 P. 35

MAREK'S DISEASE
CANCER INSTITUTE INTERESTED IN MAREK'S .....DEC 05 P. 26

MARKET NEWS
USDA OFFERS DAILY MARKET SUMMARIES .....FEB 14 P. 60
HEARING TOLD OF LIVESTOCK PRICE REPORTING PROBLEMS .....OCT 17 P. 5
WITNESS CALLS FOR BREAKUP OF MEAT PRICE 'MONOPOLY FORCE' .....OCT 24 P. 4

MEAT MEAL

ANIMAL BLOOD HAS $60 MILLION POTENTIAL AS FEED, RENDERERS TOLD .....MAR 21 P. 26
RENDERERS NOTE FLASH FRIED BLOOD MEAL USE .....APR 11 P. 17

METRIC SYSTEM
METRIC WEIGHTS .....MAY 23 P. 81
NTF OPPOSES METRIC SUGGESTIONS .....SEP 12 P. 47
FARM BUREAU ASKS METRIC WEIGHTS STUDY FOR EGGS .....OCT 24 P. 14
METHOD OFFERED FOR METRIC EGG SIZE CATEGORIES .....NOV 07 P. 14

MEXICO
CONTRASTS IN MEXICAN FARMING CALLED 'STRIKING' .....MAY 16 P. 54
MEXICO-U.S. EXPORTS RISE, IMPORTS FALL ON PESO'S VALUE .....JUL 25 P. 30

MIDDLE EAST
ALGERIAN ENERGY FOR U.S. AG TECHNOLOGY POSSIBLE .....JUL 25 P. 4
TURKEY'S MODERN POULTRY INDUSTRY CONTINUES GROWTH .....JUL 25 P. 30
EGYPT'S IMPORTS KEEP RISING; U.S. SHARE GREAT .....JUL 25 P. 30
SYRIANS PLAN POULTRY EXPANSION .....OCT 31 P. 16
JORDAN BOOSTS EGG, BROILER PRODUCTION .....NOV 14 P. 16

MINERALS
FREE CHOICE MINERALS FOR CATTLE FED CALCIUM-ADEQUATE OR CALCIUM-DEFICIENT RATIONS .....JAN 31 P. 20
ANIMALS MAY NOT CHOOSE BEST MINERALS FREE-CHOICE .....FEB 07 P. 30
MOST INGREDIENT SUPPLIES TERMED ADEQUATE; BUT PRICES GOING HIGHER ALONG WITH ENERGY .....MAY 02 P. 8
SPECIALIST TELLS IMPORTANCE OF MINERALS IN WATER SUPPLY .....AUG 15 P. 15

MINK INDUSTRIES
BOTULISM SUSPECTED IN MINNESOTA MINK DEATHS .....JUL 11 P. 3

MOLASSES
MOST INGREDIENT SUPPLIES TERMED ADEQUATE; BUT PRICES GOING HIGHER ALONG WITH ENERGY .....MAY 02 P. 8
MOLASSES TYPES TESTED IN NEBRASKA RESEARCH TRIALS .....SEP 12 P. 16
HEMICELLULOSE EXTRACT IN CATTLE SUPPLEMENT FORMULATION .....OCT 03 P. 39

MOLD
FUNGUS IN MOLDY SILAGE CAN HARM CATTLE: SCIENTISTS .....JAN 24 P. 66
MOLDY FEED .....JUL 11 P. 20

MOLDY GRAIN
FEED VALUE OF DAMAGED GRAINS SHOWN .....FEB 21 P. 32
WIDESPREAD AFLATOXIN PRESENCE FOUND IN SOUTHERN CORN CROP .....SEP 05 P. 1

MYCOTOXINS
MYCOTOXINS CAN POSE HIDDEN HOG PROBLEMS: WORKERS .....NOV 07 P. 10
THE PROBLEM OF MYCOTOXINS IN CATTLE FEEDS .....NOV 07 P. 21

NEWCASTLE DISEASE
NEWCASTLE ALERT BEGINS IN GEORGIA, CALIFORNIA: APHIS .....FEB 28 P. 5
POULTRY FLOCKS NEWCASTLE-FREE .....MAR 07 P. 6
USDA DESTROYS 5,300 BIRDS TO CURB NEWCASTLE .....MAR 14 P. 4
USDA MODIFIES NEWCASTLE RULES .....APR 11 P. 6
USDA LIFTS BIRD QUARANTINES .....MAY 02 P. 23

SMUGGLED BIRDS STILL BIGGEST HURDLE TO NEWCASTLE CONTROL, GEORGIANS TOLD .....MAY 09 P. 6
ENGLAND, NEW ZEALAND POULTRY MARKETS SHUT OUT .....MAY 16 P. 23
LOCALIZED IMMUNITY CAN PREVENT NEWCASTLE VIRUS INFECTION IN CHICKENS .....MAY 16 P. 24
INVESTIGATION CONTINUES INTO NEWCASTLE CASES .....AUG 15 P. 2
COOPERATION SET ON EXOTIC NEWCASTLE .....AUG 29 P. 4
QUARANTINES LIFTED AT HAWAIIAN SHOPS .....SEP 12 P. 8
NEWCASTLE QUARANTINE LIFTED IN CALIFORNIA .....OCT 03 P. 6

NICKEL
ROLE OF NICKEL IN ANIMAL NUTRITION .....JUN 13 P. 24

NITRATES
USDA NITRITES, NITROSAMINES PANEL TO MEET .....MAY 23 P. 128
SEPEA CITES DOCUMENT FOR NITRATE SANCTION .....MAY 30 P. 6
POULTRY INDUSTRY TELLS USDA IT FOUND SEVEN EXAMPLES OF NITRITE SANCTION .....JUN 13 P. 6
USDA NITRITE PANEL WILL STUDY CANCER RISK NEXT, FOREMAN SAYS .....JUN 13 P. 28
FDA SAYS NITRATES ARE FOOD ADDITIVES .....JUL 18 P. 6
DATE ASKED ON USE OF NITRITES, NITRATES IN POULTRY .....SEP 05 P. 1
EXPERT PANEL ON NITRITES MEETS .....SEP 19 P. 14
POULTRY GROUP SEEKS INTERIM USE OF NITRITE .....OCT 03 P. 6
MEAT INDUSTRY GIVEN THREE MONTHS TO SHOW SAFETY OF NITRATES, NITRATES IN BACON .....OCT 24 P. 2
TYSON, POULTRY ASSOCIATION GROUP FILE SUIT CONCERNING SODIUM NITRITE USE .....NOV 07 P. 6
DEADLINE EXTENSION EXPECTED FOR COMMENT ON USE OF NITRITES IN MEAT .....NOV 28 P. 64

NON-PROTEIN NITROGEN
MOST INGREDIENT SUPPLIES TERMED ADEQUATE; BUT PRICES GOING HIGHER ALONG WITH ENERGY .....MAY 02 P. 8
UREA CAN MEET ALL DAIRY SUPPLEMENTAL PROTEIN NEEDS .....NOV 07 P. 11

OATS
HIGH-PROTEIN BRAN MILLED FROM NEW OATS .....JAN 17 P. 20

OBITUARIES
GTA FOUNDER THATCHER DIES .....JAN 03 P. 35
DANIEL HOGAN DIES .....JAN 10 P. 10
W. W. TAYLOR, RETIRED FROM PURINA, DIES .....JAN 10 P. 10
FORMER TINDLE HEAD, WILLIAM B. WOODY, DIES .....JAN 17 P. 38
FRANKLIN A. COFFMAN .....JAN 17 P. 38
LAWRENCE BERG .....JAN 17 P. 38
H. G. SOPER, FORMER AGWAY CHAIRMAN, DIES .....FEB 07 P. 55
SAM GOLDEN, AMBURGO FOUNDER, DIES AT 72 .....FEB 14 P. 2
CURRIER HOLMAN, IOWA BEEF FOUNDER .....FEB 21 P. 46
RALPH BEERMANN DIES IN PLANE CRASH .....FEB 21 P. 46
WILLIAM MILLER, HEAD OF BROKERAGE FIRM DIES .....FEB 28 P. 21
DR. J. W. HAYWARD, SOYBEAN AUTHORITY, SUCCUMBS AT 79 .....MAR 07 P. 2
TONY DOWNS, DOWNS FOODS CHAIRMAN, DIES .....MAR 14 P. 4
WESTERMAN DIES .....MAR 21 P. 60
RICHARD DAUGHERTY DIES .....APR 04 P. 34
NATIONAL MOLASSES'S BASCOM K. DOYLE DIES .....APR 11 P. 6
PROMINENT POULTRYMAN FORE DIES AT 83 .....APR 11 P. 6
SAM ZIPPERMAN DIES .....APR 11 P. 6
CLYDE FORE, RETIRED POULTRY LEADER, DIES .....APR 18 P. 43
PAUL FOSTER, FOSTER FARMS PRESIDENT, DIES .....APR 18 P. 43

EMERSON MORGAN .....APR 25 P. 60
HAFER, TOT MORTON AGENCY MAN, DIES .....APR 25 P. 60
MRS. STURDY DIES IN AUTO ACCIDENT .....MAY 02 P. 16
AGWAY'S DAYTON DIES .....MAY 09 P. 42
EVA RABINOFF .....MAY 09 P. 42
PETER F. WERTZ .....MAY 09 P. 42
NAT LINDQUIST, FREDERICK SALES, DIES .....MAY 16 P. 71
WAYNE BUFFALO DIES .....MAY 23 P. 128
CLIFTON PARRISH DIES .....MAY 30 P. 37
VERONE BLASS DIES .....JUN 06 P. 7
CHARLES SAPPER, MILLER RETIREE, DIES .....JUN 13 P. 44
A. W. SOUTHERLAND .....JUN 20 P. 31
ROBERT HILL DIES .....JUN 20 P. 31
CYANAMID AD EXEC L. W. GROVES DIES .....JUL 11 P. 3
ARTHUR PERDUE .....JUL 11 P. 3
HAROLD ELLIS .....JUL 18 P. 31
ARTHUR S. ANDERS .....JUL 18 P. 31
HOWARD A. RICHARDS .....JUL 18 P. 31
CURT HESTER DIES .....AUG 01 P. 31
ALBERT E. TEPPER DIES .....AUG 15 P. 39
ACCO PRESIDENT C. T. TRICKEY DIES .....AUG 22 P. 5
CHARLES MCCARTNEY DIES .....OCT 10 P. 37
JOHN CARROTHERS, 52, FRIONA CHAIRMAN, DIES .....OCT 17 P. 40
DR. WILLIAM HEINZ, NU-WAY FEED FOUNDER .....OCT 17 P. 40
ALLIED MILLS' JAY DUSEK DIES .....OCT 24 P. 54
RETIRED POULTRY REP W. L. FARGASON DIES .....OCT 24 P. 54
BURROWS FOUNDER C. J. POLSTRA .....OCT 24 P. 54
WILLIAM E. SNYDER .....OCT 24 P. 54
CYANAMID'S MCCLOSKEY .....OCT 31 P. 32
DAVID LEVIN, RETIRED CONTINENTAL EXEC. DIES .....OCT 31 P. 32
ROSWELL GARST, HUBRID GRAIN LEADER, DIES .....NOV 14 P. 47
VITAMIN, FEED LEADER ADOLPH ROSENBERG DIES .....NOV 28 P. 67
LOUIS MCCLESKY .....NOV 28 P. 67
SAMUEL L. BURGESS, GEORGIA EDITOR .....NOV 28 P. 67
RETIRED RALSTON EXEC CHARLES O. WHITE .....NOV 28 P. 67
LAWRENCE LONG, FORMER MILLER EDITOR, DIES .....DEC 05 P. 42
OSCAR TURNER, NORTHEAST POULTRYMAN .....DEC 05 P. 42
DR. J. HOLMES MARTIN, POULTRY RESEARCHER .....DEC 05 P. 42

OSHA
THE MARKETPLACE .....APR 04 P. 10
'NITPICKING' SAFETY RULES WON'T BE ENFORCED .....DEC 12 P. 50

OYSTER SHELL
OYSTER SHELL USE SAID TO STABILIZE EGG PRODUCTION .....MAY 09 P. 6

PELLETING
NO EFFECTS NOTED IN PROBIOTICS, PELLETING STUDY .....JAN 10 P. 37
PELLET BINDERS: STRIKING A BALANCE BETWEEN DURABILITY AND COST .....MAY 16 P. 41
ADDITIONAL MAKER OF LIGNIN SULFONATE .....MAY 23 P. 66

PERSONNEL

POULTRY INDUSTRY NEEDS PROFESSIONALS .....MAY 09 P. 6
SENATE WAGE ACTION WOULD HIKE MINIMUMS .....OCT 10 P. 2
MINIMUM WAGE HEADED HIGHER .....OCT 24 P. 7
HIRING PRACTICES, SALES TRAINING TOPICS COVERED AT NFIA CONVENTION .....OCT 24 P. 54
HOW TO RECRUIT QUALITY SALES PERSONNEL .....OCT 31 P. 18
HOW TO INTERVIEW WHEN HIRING SALES PERSONNEL .....NOV 07 P. 18
HOW TO SELECT QUALITY SALES PERSONNEL .....NOV 14 P. 25
EMPLOYEE CONSIDERATION PAYS: PANEL .....DEC 05 P. 18

PESTICIDES
PESTICIDE SUPPLIES SAID AMPLE IN '77 .....MAR 14 P. 12
EPA ALLEGES DEFICIENCIES IN DATA BY LABORATORIES TESTING PESTICIDE SAFETY .....AUG 22 P. 4
POULTRY PESTICIDE USE REGULATIONS NOTED .....NOV 07 P. 6

PET FOODS
USDA WITHDRAWS POULTRY PROPOSAL .....JUL 18 P. 4
CORBIN SAYS PET FOODS MADE FOR OWNERS, NOT PETS .....SEP 26 P. 5
PET FOOD SALES INCREASED $200 MILLION IN 1976 .....OCT 10 P. 8
PET FOODS GROWING MORE COMPETITIVE .....OCT 31 P. 1

PHOSPHATES
CURRENT PHOSPHATE PICTURE GOOD, BUT TIGHTENING SUPPLIES MAY BE AHEAD .....MAR 21 P. 10

PHOSPHOROUS
MOST INGREDIENT SUPPLIES TERMED ADEQUATE, BUT PRICES GOING HIGHER ALONG WITH ENERGY .....MAY 02 P. 8
BIOAVAILABILITY OF PHOSPHORUS IN FEED INGREDIENTS FOR SWINE .....JUN 20 P. 16
PHOSPHORUS AND LAYING HEN NUTRITION .....JUN 20 P. 18
PHOSPHORUS AND LAYING HEN NUTRITION .....JUN 27 P. 33
EFFECT ON REPRODUCTION OF EXTRA PHOSPHORUS STUDIED .....SEP 05 P. 15

PLANT MANAGEMENT
NEW FEEDING EQUIPMENT CAN SAVE TIME, ENERGY .....JAN 24 P. 47
PORTABLE MIXERS CAN BE PROFITABLE FOR SMALL OPERATOR .....FEB 28 P. 35
RESEARCH ON SOLAR GRAIN DRYING STILL IN EARLY STAGES .....MAR 28 P. E01
NEW CYCLONE FILTERS MAY HELP FURTHER CUT POLLUTION .....APR 25 P. 31
REDUCING GRAIN GARDING VARIABILITY .....APR 25 P. 31
HOW TO DESIGN A HEARING CONSERVATION PROGRAM .....MAY 23 P. 75
SAVING MONEY ON PALLET SYSTEMS REVIEWED AT AFMA .....JUN 27 P. 28
FACTORS THAT AFFECT PELLET DURABILITY, EFFICIENT PELLETING .....SEP 26 P. 35
MAINTENANCE SCHEDULES TO KEEP TRUCKS IN SAFE CONDITION .....OCT 24 P. 23
RODENT CONTROL DEVICES NO EASY CURE, EXPERTS CLAIM .....OCT 24 P. 34
INACCURATE WEIGHING SYSTEMS COST MONEY .....NOV 28 P. 27
OSHA CUTS BACK ON PAPERWORK .....NOV 28 P. 27
CONVEYOR STATIC ELECTRICITY MAY IGNITE DUST EXPLOSION .....DEC 26 P. 23

POLITICS
POLITICAL ACTION COMMITTEES SHORT OF GOALS .....JAN 03 P. 11
CARTER CAN HAVE POSITIVE IMPACT ON ECONOMY: EDITORS .....JAN 17 P. 7
CARTER, ECONOMY ASSESSED FOR AG MARKETERS .....MAY 09 P. 1

POLLUTION
ECONOMY OF POLLUTION RULES QUESTIONED .....JAN 24 P. 6

EPA OPENS NEW PROGRAM TO HELP FARMERS MEET CLEAN WATER RULES .....FEB 07 P. 4
NGFA PROTESTS PROPOSED POLLUTION RULES .....FEB 21 P. 1
NEBRASKA ELEVATOR OPERATORS VOICE CONCERNS ON NEW EPA REGS .....MAY 23 P. 67
RENDERERS, EPA AGREE ON EFFLUENT GUIDELINE LIMITS .....MAY 23 P. 102
EPA PROPOSES NEW RULES FOR RENDERING PLANTS .....JUN 06 P. 12
SENATE APPROVES CLEAN AIR ACT AMENDMENT EXCLUDING SMALL ELEVATORS .....JUN 13 P. 2
EPA BACKS OFF ON ELEVATOR DUST POLLUTION RULES .....JUN 27 P. 1
EPA'S GRAIN DUST PROPOSAL MAY STILL COVER SMALLER ELEVATORS .....OCT 31 P. 1

PORK MARKETING
GROUPS ASK USDA TO BAR TERMS SUCH AS 'TURKEY HAM' .....MAY 02 P. 17

POULTRY HEALTH
VET'S LIST DESIGNED TO HELP GROWERS DIAGNOSE DISEASES .....FEB 21 P. 16
FOWL CHOLERA VACCINES DESCRIBED TO MIDWEST POULTRY AUDIENCE; CLEMSON FAVORED .....MAR 14 P. 6
IMMUNIZING BIRDS TWO WAYS MAY INSURE AGAINST FOWLPOX .....MAY 02 P. 12
POULTRYMAN SAYS RESPIRATORY INFECTIONS MAIN PROBLEM .....MAY 16 P. 18
POULTRY DISEASE GUIDE .....JUL 20 P. 91
POULTRY VETS HEAR REPORTS ON PATHOGENS, TREATMENTS .....AUG 01 P. 10
AVIAN FLU AFFECTING MAN MAY POSE POSSIBLE THREAT, WORLD VET MEETING TOLD .....AUG 08 P. 7
SPECIALIST RECOMMENDS SPRAYING OR DUSTING TO CONTROL NORTHERN FOWL MITES .....AUG 15 P. 16
STUDIES EXPLORE POULTRY DISEASE DETECTION, PREVENTION .....AUG 22 P. 11
AVIAN COMMITTEE STATES POSITION ON MYCOPLASMA ERADICATION .....AUG 29 P. 5
MEDICATION, VITAMINS MAY IMPROVE CHICK QUALITY .....AUG 29 P. 12
RARE MYCOPLASMA MAY PLAY ROLE IN AIRSACCULITIS .....SEP 05 P. 14
SCIENTISTS REPORT ON IBDV, EFFECTS ON OTHER INFECTIONS .....OCT 03 P. 6
STUDY SHOWS IBDV AFFECTS POULTRY IMMUNITY TO RESPIRATORY DISEASES .....OCT 03 P. 15
TRAVELERS TO BE QUERIED .....NOV 28 P. 67
PENNSYLVANIA QUALIFIES PULLORUM-TYPHOID FREE .....DEC 19 P. 18

POULTRY INDUSTRY
COVELL PREDICTS MORE GOVERNMENT INFLUENCE IN '77 .....JAN 24 P. 10
NUMBER OF HATCHERIES, EGG CAPACITY BY STATES REPORTED JANUARY 1975 AND 1977 .....MAY 16 P. 63
WATER KEPT MAINE POULTRY LOSSES MINIMAL IN HEAT .....AUG 15 P. 39
USDA EXPECTS FALL EGG PRICES LOWER THAN 1976; HIGHER FOR BROILERS, TURKEY .....AUG 29 P. 5
MORE POULTRY MEAT, EGG PRODUCTION PREDICTED FOR 1977 IN MAJOR COUNTRIES .....SEP 05 P. 6
HIGHER CATTLE, LOWER POULTRY, PORK PRICES SEEN .....OCT 17 P. 1
INFLATION, FEED COSTS WILL DETERMINE 1978 PRICE OUTLOOK FOR POULTRY INDUSTRY .....OCT 24 P. 7
MORE POULTRY, EGGS AT LOWER PRICES PREDICTED .....NOV 28 P. 20
ANTIMICROBIAL AGENTS CAN ACT AS GROWTH PERMITTANTS .....DEC 05 P. 16
CANADIANS FIND 'MUKA' CURBS CHICK GROWTH .....DEC 05 P. 16
LESS BEEF, MORE PORK, POULTRY FORESEEN .....DEC 19 P. 5

POULTRY INSPECTION
BRIEFINGS SET ON RECOMMENDED CHANGES IN MEAT, POULTRY INSPECTION .....AUG 15 P. 6
USDA INCREASES FEES FOR MEAT INSPECTORS, GRADERS .....OCT 24 P. 6

POULTRY MANAGEMENT
ARIZONA POULTRYMEN HEAR ABOUT PREVENTIVE MEDICINE, CAGE WORK, OTHER TOPICS .....MAY 16 P. 7
CAREFUL FEED MANAGEMENT IMPORTANT IN WARM MONTHS .....JUN 06 P. 16
POULTRY ADVISORS LIST PRECAUSTION FOR BLACKOUTS .....JUL 11 P. 16
REPORT SAYS SOLAR HEATING ECONOMICAL IN POULTRY HOUSE .....AUG 08 P. 16

WATER LOSS COSTS ENERGY: SPECIALIST .....DEC 12 P. 16

POULTRY NUTRITION
WET FEED CAN HELP INTAKE PROBLEMS: OHIO VET .....JAN 03 P. 5
SOFT PHOSPHATE IN POULTRY NUTRITION .....JAN 03 P. 23
POULTRY NUTRITION TOPICS GET HEAVY BILLING AT MARYLAND NUTRITION MEETING .....MAR 28 P. 5
FORMULATING SWINE, POULTRY RATIONS USING FLASH-DRIED BLOOD MEAL .....APR 18 P. 22
DIETARY SELF-SELECTION BY POULTRY .....MAY 09 P. 21
CONFERENCE SPEAKERS DETAIL LATEST POULTRY, SWINE, RUMINANT, HORSE RESEARCH .....MAY 30 P. 4
NUTRITIONAL AND BIOCHEMICAL ASPECTS OF SELENIUM IN POULTRY .....MAY 30 P. 19
STUDIES: CARE NEEDED IN POULTRY WHEAT FEEDING .....JUL 04 P. 12
GUELPH RESEARCHERS EXPLORE RAPESEED, BIOTIN, PROTEIN LEVELS IN POULTRY RATIONS .....JUL 18 P. 23
NUTRIENT REQUIREMENTS OF CHICKENS, TURKEYS .....JUL 20 P. 61
SPECIALIST TELLS IMPORTANCE OF MINERALS IN WATER SUPPLY .....AUG 15 P. 15
STUDY: LOW-SAPONIN ALFALFA PROVIDES HIGH PROTEIN FOR CHICKS .....AUG 15 P. 16
REVIEW OF POULTRY NUTRITION, AVIAN BIOCHEMISTRY PRESENTED BEFORE THE 1977 POULTRY SCIENCE ASSN. MEETING .....SEP 19 P. 34
U.S. CORN, SORGHUM RATION LEAST USSR FEEDING TRIAL .....SEP 19 P. 43
REVIEW OF POULTRY NUTRITION, AVIAN BIOCHEMISTRY PRESENTED BEFORE THE 1977 POULTRY SCIENCE ASSN. MEETING .....SEP 26 P. 7
THE 'TRUE METABOLIZABLE ENERGY' SYSTEM .....OCT 17 P. 23
POULTRY NUTRITIONISTS DISCUSS DIETS, LEG WEAKNESS .....NOV 07 P. 15
RESEARCHERS OUTLINE ENERGY, MINERAL REQUIREMENTS FOR HEN PERFORMANCE .....NOV 21 P. 10
CHICK NEED FOR CERTAIN AMINO ACIDS SHOWN .....DEC 12 P. 14
POULTRY WORK MAY SWING TO PROBIOTICS; 'LOTS OF ANSWERS' .....DEC 12 P. 51

POULTRY PROCESSING
POULTRY PROCESSOR SEEKS CHANGES IN USDA'S AQL TEST .....MAR 21 P. 25
USDA NOTES PLANT CHANGES THAT ACCOMPANIED POULTRY EXPANSION .....MAR 28 P. 22
USDA TO INSPECT NEW YORK PLANTS .....APR 04 P. 14
POULTRY PLANT COSTS ANALYZED BY USDA .....APR 04 P. 14
FARM BUREAU SEEKS POULTRY CRATE WASHING .....APR 11 P. 16
PROJECT AIMS FOR ENERGY SAVINGS IN PLANT .....JUN 13 P. 7
STUDY: BETTER INSPECTION OF MEAT COULD SAVE MILLIONS .....JUN 27 P. 3
PEIA PROTESTS PROPOSED DATES FOR USDA HEARING .....AUG 08 P. 6
ECONOMIST TRACES COSTS, SPREADS FOR EGGS, POULTRY .....SEP 12 P. 14
OPPOSITION GROWS AS BOOZ ALLEN HEARINGS NEAR .....SEP 19 P. 5
BOOZ, HAMILTON & ALLEN MULTIPLE LINE SPEEDS IDEA UPSETS POULTRYMEN .....OCT 10 P. 6
PEIA SUPPORTS REWASHING BIRDS, SUGGESTS CHANGES .....OCT 31 P. 7
FDA, USDA TO RECONSIDER MEAT WEIGHT REGULATIONS .....NOV 21 P. 6
VARIANCE FROM MEAT POULTRY LABEL WEIGHTS TO BE LIMITED .....DEC 05 P. 6
VARIANCE FROM MEAT POULTRY LABEL WEIGHTS TO BE LIMITED .....DEC 05 P. 6

POULTRY PURCHASES
POULTRY PURCHASES .....FEB 07 P. 61

POULTRY SLAUGHTER
POULTRY INSPECTED FOR SLAUGHTER UP 23% IN NOVEMBER .....JAN 10 P. 64
DECEMBER POULTRY SLAUGHTER UP 2% FROM 1975, BUT DOWN FROM NOVEMBER .....FEB 07 P. 7
POULTRY SLAUGHTER UP 4% IN YEAR; OFF 8% IN MONTH .....APR 04 P. 39
MARCH POULTRY SLAUGHTER TOPS FEBRUARY BY 20% .....MAY 23 P. 30
APRIL POULTRY KILL EVEN WITH 1976, DOWN FROM MARCH .....JUN 06 P. 31
MAY POULTRY SLAUGHTER RISES; CONDEMNATION UP .....JUL 04 P. 2
JUNE POULTRY SLAUGHTER UP 2% .....AUG 15 P. 6

POULTRY INSPECTED FOR SLAUGHTER DECLINES IN JULY .....SEP 05 P. 6
POULTRY SLAUGHTER UP IN AUGUST .....OCT 10 P. 6
SEPTEMBER POULTRY SLAUGHTER DOWN 1% .....NOV 07 P. 6

PRESERVATIVES
PRESERVATIVES KEEP TEMPERATURE DOWN IN SILAGE TRIALS .....FEB 14 P. 22

PRODUCT LIABILITY
MANUFACTURERS ADVISED ON PRODUCT RECALLS .....FEB 21 P. 5
MANAGEMENT MINIMIZES PRODUCT LIABILITY CLAIMS .....FEB 28 P. 11
FEED COMPANIES WARNED OF PRODUCT LIABILITY SUITS .....MAR 28 P. E18
GOVERNMENT MAY STEP INTO PRODUCT LIABILITY ARENA; SMALL FIRMS HIT HARDEST .....APR 04 P. 4
THE MARKETPLACE .....JUL 04 P. 8
GOLDBERG: STATES MUST SOLVE LIABILITY PROBLEMS .....SEP 26 P. 1
TREAT PRODUCT COMPLAINTS WITH CARE, LAWYER ADVISES .....SEP 26 P. 4
MINIMUM OF $1 MILLION P. L. INSURANCE SUGGESTED FOR FEED MANUFACTURERS .....OCT 24 P. 5
FEED MEN GIVEN HINTS ON HANDLING PRODUCT LIABILITY .....OCT 31 P. 5
TASK FORCE SAYS STATES CAN'T STOP PRODUCT LIABILITY INSURANCE RATES FROM RISING .....NOV 28 P. 2

PROTEINS
SPUN PROTEIN FROM MEAT WASTE METHOD DEVELOPED IN ENGLAND .....MAR 21 P. 50
WORLD OILSEED EXPORTS TO SLOW FROM 1976 INCREASE .....AUG 29 P. 32
PIGS IN TRIAL DO WELL ON SINGLE-CELL PROTEIN .....SEP 12 P. 12
SINGLE CELL PROTEIN FOUND BENEFICIAL IN CHICK RATIONS .....OCT 24 P. 51
PROTEIN USE SEEN RISING ON HIGHER ANIMAL UNITS .....NOV 28 P. 17

PUTTING RESEARCH TO WORK
SELENIUM AND VITAMIN E AND INCIDENCE OF RETAINED PLACENTA IN PARTURIENT DAIRY COWS .....JAN 03 P. 30
PROTEIN AND METHIONINE HYDROXY ANALOG FOR LACTATING COWS .....JAN 10 P. 62
VARIABLE DIETARY PROTEIN AND UREA FOR INTAKE AND PRODUCTION IN HOLSTEIN COWS .....JAN 17 P. 30
USE OF CONDENSED SOYBEAN SOLUBLES IN NONRUMINANT DIETS .....JAN 24 P. 24
HYDROLYZED LEATHER SCRAP AS A PROTEIN SOURCE FOR RUMINANTS .....JAN 31 P. 18
THE USE OF RAPESEED MEAL AND A MUSTARD SEED MEAL AS A PROTEIN SOURCE IN DIETS FOR LAYING PULLETS .....FEB 07 P. 46
UTILIZATION OF RAPESEED MEAL IN DOG RATIONS .....FEB 07 P. 46
SIRE BREED ON THE ECONOMIC EFFICIENCY OF A TERMINAL-CROSS BEEF PRODUCTION SYSTEM .....FEB 14 P. 43
USE OF A FEED FLAVOR TO STIMULATE THE FEED INTAKE OF WEANER PIGS .....FEB 21 P. 33
THIAMINE REQUIREMENT OF YOUNG RUMINANTS .....FEB 28 P. 64
WORTH NOTING: .....MAR 21 P. 52
POULTRY SCIENCE (VOL. 55, NO. 6) .....APR 04 P. 31
POULTRY SCIENCE (VOL. 55, NO. 6) .....APR 11 P. 28
POULTRY SCIENCE (VOL. 56, NO. 1) .....APR 18 P. 29
POULTRY SCIENCE (VOL. 56, NO. 1) .....APR 25 P. 51
THE CHICK'S REQUIREMENT FOR 25-HYDROXYCHOLECALCIFEROL AND CHOLECALCIFEROL .....MAY 02 P. 28

QUOTATIONS
PREVIEW OF 1977 .....JAN 03 P. 8
WHAT IT WILL BE .....JAN 10 P. 12
FREE MARKETS .....JAN 17 P. 8
THE DECADE AHEAD .....JAN 24 P. 14
FOOD SUPPLY SAFETY .....JAN 31 P. 10
MORE AG RESEARCH .....FEB 07 P. 10
CHICKEN AND FAST FOODS .....FEB 14 P. 12

FEEDSTUFFS SUBJECT INDEX
FOR ENTIRE YEAR 1977

EXPORT-IMPORT POLICY .....FEB 21 P. 10
FOOD VS. FEED GRAINS .....FEB 28 P. 16
MIDWESTERN FEEDING .....MAR 07 P. 10
THAT WHEAT CARTEL .....MAR 14 P. 10
PRODUCING FOR EXPORT .....MAR 21 P. 14
RESEARCH SLOWDOWN .....MAR 28 P. 6
GOVERNMENT REGULATION .....APR 04 P. 10
RAIL VIEW OF BARGES .....APR 11 P. 10
CANADA'S FOOD POLICY .....APR 18 P. 10
SETTING FARM POLICY .....APR 25 P. 8
FARM CONCENTRATION .....MAY 02 P. 10
NEW MARKET STRUCTURES .....MAY 09 P. 10
CRISIS IN CONFIDENCE .....MAY 16 P. 10
AG POLICY OPTIONS .....MAY 23 P. 14
FOOD AS A WEAPON .....MAY 30 P. 10
U.S. RESEARCH POLICY .....JUN 06 P. 10
TWO-TIERED CEILING .....JUN 13 P. 10
QUESTION OF BALANCE .....JUN 20 P. 8
THE BEEF REFERENDUM .....JUN 27 P. 8
ENVIRONMENTAL COSTS .....JUL 04 P. 8
ENERGY STRATEGY .....JUL 11 P. 8
FOOD IS ENERGY .....JUL 18 P. 8
WORLD FOOD POLICY .....JUL 25 P. 10
CRISIS' ON THE FARM .....AUG 08 P. 10
FUTURES PERFORMANCE .....AUG 15 P. 10
U.S. FOOD POLICY .....AUG 22 P. 6
CHALLENGE TO SCIENTISTS .....AUG 29 P. 8
FARM BILL'S COST .....SEP 05 P. 10
CUBAN POTENTIAL .....SEP 12 P. 10
CHALLENGE TO BUSINESS .....SEP 19 P. 8
BUILDING RESERVES .....SEP 19 P. 8
RULES FOR ADVERTISING .....SEP 26 P. 10
'LET'S SUE' SYNDROME .....OCT 03 P. 10
GOVERNMENT DECISIONS .....OCT 03 P. 10
THIN MARKETS .....OCT 10 P. 10
FARMING DISINCENTIVES .....OCT 17 P. 8
EXPORT MOMENTUM .....OCT 24 P. 10
FARMLAND PROTECTION .....OCT 31 P. 10
SELLING ABROAD .....OCT 31 P. 10
SUNFLOWERS NO. 1? .....NOV 07 P. 8
HELPING THE SOVIETS .....NOV 14 P. 10
PUBLIC POLICY TASK .....NOV 14 P. 10
FARM ECONOMY THREAT .....NOV 21 P. 8
AN ELUSIVE GOAL .....NOV 21 P. 8
BACK TO THE COUNTRY .....NOV 28 P. 8
'LET US ALONE' .....NOV 28 P. 8
FARM CREDIT PROBLEMS .....DEC 05 P. 10
ANTIBIOTICS' VALUE .....DEC 05 P. 10
STABILIZING BEEF PRICES .....DEC 12 P. 10
AG INVESTMENTS .....DEC 19 P. 10
GOVERNMENT'S IMPACT .....DEC 19 P. 10
TAX REFORM AND FOOD .....DEC 26 P. 10

RABBIT INDUSTRY
RABBIT PRODUCTION UP, FEED DEMAND GAINS .....APR 11 P. 1

RABBIT NUTRITION
ADVANCES IN RABBIT NUTRITION RESEARCH .....APR 18 P. 20

RAPESEED MEAL
NEW RAPESEEDS SAID ALMOST 100% EXCHANGABLE FOR SOYBEAN MEAL .....APR 11 P. 6
RAPESEED MEAL MAY BOOST HEAVY HOGS' CARCASS QUALITY .....JUN 13 P. 12
DAIRY COWS FED RAPESEED MEAL AS PROTEIN SOURCE .....SEP 19 P. 17
PERFORMANCE NOT HURT BY UP TO 10% RAPESEED MEAL .....NOV 07 P. 10
TOWER RAPESEED MEAL SAID TO EQUAL OR OUTPERFORM SOYBEAN MEAL .....NOV 07 P. 21
NEW RAPESEED VARIETY AVAILABLE IN CANADA .....DEC 19 P. 16

REGULATORY
FDA DOCUMENT MAY MEAN TIGHTER CONTROLS ON USE OF CARCINOGENS .....FEB 28 P. 5
COURT SAYS U.S. MEAT RULES PREEMPT STATES' .....APR 18 P. 47
DAILY INVENTORY REQUIRED ONLY FOR PREMIXES; BIXLER .....MAY 09 P. 4
CONGRESS NEEDS TO CHANGE THE DELANEY CLAUSE .....MAY 23 P. 5
AAFCO TASKFORCE WORKS ON ANIMAL WASTE REGULATIONS .....MAY 30 P. 5
'REASONABLE RISK' REPLACES ABSOLUTE SAFETY; REGULATORS .....JUL 18 P. 1
AAFCO RELEASES REPORTS FOR MEETING ACTION .....JUL 25 P. 7
AAFCO DEBATES, BUT HAS TO GO ALONG WITH PROPOSED TEXAS LABELING CHANGE .....AUG 15 P. 7
BVM TELLS VETERINARIANS TO BEWARD IMPORTING NON-CLEARED DRUGS .....SEP 05 P. 6
GRAIN, FEED INDUSTRY CAN COPE WITH FUTURE REGULATIONS, MARKETS, IGFA TOLD .....SEP 19 P. 5
SYMPOSIUM EXPLORES POSSIBLE SOLUTIONS TO OVER-REGULATION .....OCT 03 P. 1
USDA ANNOUNCES PROPOSAL TO ALLOW USAGE OF 'TISSUE FROM GROUND BONE' .....OCT 10 P. 5
HARDIN CITES HINDRANCES REGULATIONS PLACE ON SOCIETY .....OCT 24 P. 22
'MONEY CAUSES CANCER: BAN IT' .....NOV 07 P. 4

RESEARCH
STRESS ON CATTLE TO BE STUDIED .....JAN 03 P. 4
BLUETONGUE RESEARCH .....JAN 24 P. 63
U.S. FOOD PRODUCTION NEEDS TECHNOLOGY: FIEI MEETING .....FEB 07 P. 4
ANCA ENDORSES PUSH FOR MORE RESEARCH FUNDS .....FEB 21 P. 15
BENEFITS FROM INVESTMENT IN FOOD AND AGRICULTURAL RESEARCH .....FEB 21 P. 24
AGRICULTURAL RESEARCH FUNDING GAINS GROUND FROM WORLD FOOD ATTENTION .....MAR 14 P. 24
FARM BUREAU SUPPORTS AG RESEARCH REQUEST .....APR 25 P. 16
THE MARKETPLACE .....JUN 06 P. 10
NRC: GLOBAL FAMINE AVOIDABLE IF U.S., WORLD PUSH AGRICULTURE RESEARCH NOW .....JUN 27 P. 4
TEXANS TO RESEARCH BRUCELLOSIS DIAGNOSIS .....JUL 04 P. 20
ALFALFA WILT STUDY .....JUL 04 P. 25
THE MARKETPLACE .....AUG 01 P. 8
MORE INTEREST SHOWN IN RESEARCH FUNDING .....OCT 24 P. 1
SOME RESEARCHERS CONCERNED ABOUT COMPETITIVE FUNDING .....OCT 31 P. 4
BREWERY BYPRODUCTS IN FEED STUDY GETS GRANT .....DEC 12 P. 37
TURN WORMS TO PROTEIN SUPPLEMENT: RESEARCHERS .....DEC 19 P. 24

RESIDUES
MICHIGAN SURVEY SHOWS NO PBB TRACES IN FEED SAMPLES DAIRY PRODUCTS .....FEB 14 P. 2
RESIDUE VIOLATIONS CHANGE LITTLE IN LAST QUARTER .....MAR 07 P. 6

BVM DIRECTOR: 59% OF REPORTED RESIDUES DUE TO USE OF INJECTABLES .....MAR 14 P. 1
SACCHARIN BAN MAY HAVE MINOR IMMEDIATE EFFECTS .....MAR 21 P. 5
APHIS FINDS FEWER RESIDUE VIOLATIONS IN MEAT, POULTRY .....MAR 21 P. 11
SACCHARIN STIRS UP THE CARCINOGEN DEBATE .....MAR 21 P. 14
MICHIGAN STATE SCIENTISTS TESTIFY THAT CURRENT FEDERAL PBB GUIDELINES SAFE .....APR 11 P. 4
AHI FILES SUIT TO HALT IMPLEMENTING RESIDUE METHOD .....MAY 16 P. 2
CONGRESS NEEDS TO CHANGE THE DELANEY CLAUSE .....MAY 23 P. 5
FDA BEGINS DES HEARINGS; AHI SAYS IT WILL PRESS SENSITIVITY OF METHOD SUIT .....MAY 23 P. 6
FEED EXECUTIVES DETAIL ESOP PROGRAMS, COST OF FEED CONTAMINATION ERROR .....MAY 30 P. 3
THE MARKETPLACE .....JUN 06 P. 10
USDA STEPS UP SULFA RESIDUE PROGRAM .....JUN 06 P. 12
USDA REPORTS RESIDUE VIOLATIONS INCREASED AGAIN .....JUN 13 P. 6
FDA THREATENS TO WITHDRAW SULFA PRODUCTS .....JUN 20 P. 1
THE COST OF CONTAMINATED FEED .....JUL 11 P. 21
FDA INVESTIGATING SUSPECTED PCP CONTAMINATION OF MICHIGAN FEEDS .....AUG 08 P. 1
HOG SULFA RESIDUES HOLD FIRST PLACE IN VIOLATIONS .....AUG 29 P. 3
THE MARKETPLACE .....AUG 29 P. 8
MICHIGAN UNIT TO HANDLE PBB LAW .....SEP 05 P. 2
THE MARKETPLACE .....SEP 12 P. 10
MINK FEED SUIT BLAMES PCB'S .....OCT 10 P. 2
NPPC URGES 14-DAY WITHDRAWAL ON ALL SULFA USE .....OCT 24 P. 4
FDA CONCERN ABOUT SULFA GROWING; MAY PROPOSE LONGER WITHDRAWAL PERIOD .....OCT 31 P. 2
FEED MAKERS ASKED TO COOPERATE IN 15-DAY SULFA WITHDRAWAL TIME .....NOV 14 P. 1
SENATE APPROVES BILL TO AID MICHIGAN RESIDENTS AFFECTED BY PBB EXPOSURE .....NOV 14 P. 4
SULFA RESIDUES HOT TOPIC AT NPPC MEETING .....DEC 05 P. 1
CHARGES FILED IN FEED CONTAMINATION CASE .....DEC 05 P. 4
RESIDUE VIOLATIONS REMAIN CONSTANT IN THIRD QUARTER .....DEC 12 P. 4
SULFA RESIDUE MEETING SET FOR JAN. 16 .....DEC 19 P. 4
CANADA MOVES TO BAN PBBS .....DEC 19 P. 27
BVM WARNS OF NON-MEDICATED FEED, WATER RESIDUES, URGES 'STRINGENT PRECAUTIONS' .....DEC 26 P. 4

RICE
SOUTHERN RICE TONNAGE REPORTED .....AUG 29 P. 25

ROUGHAGE
LIKELY FUTURE FOR CROP RESIDUE FEEDING DETAILED .....FEB 14 P. 21
MAKING CORN COBS DIGESTIBLE HARDER IN FEEDLOT THAN LABS .....NOV 28 P. 14

SAFETY
HOW TO DESIGN A HEARING CONSERVATION PROGRAM .....MAY 23 P. 75
THE MARKETPLACE .....JUN 06 P. 10

SALMONELLA
AAP CALLS FOR MORE RESEARCH, LISTS CONTROL STEPS FOR SALMONELLA .....OCT 17 P. 12

SALT
RESEARCHERS SAY SOME SALT IN WATER HELPS PALATABILITY .....JUN 13 P. 16

SCIENCE NUTRITION
CORRECTION .....JUL 11 P. 22
RESEARCHERS STUDY ALGAE PRODUCTION FROM HOG WASTE .....AUG 01 P. 13

SEED

HYBRID CORN RESEARCH AIMS AT MULTI-EAR STALKS .....FEB 14 P. 6
HERBICIDE USE IN CORN, SORGHUM OPTIMISTIC .....FEB 14 P. 44

SELENIUM
RECENT WORK REINFORCES DATA THAT MIGHT LEAD TO LIBERALIZING SELENIUM USE .....MAR 07 P. 4
NUTRITIONAL AND BIOCHEMICAL ASPECTS OF SELENIUM IN POULTRY .....MAY 30 P. 19
SELENIUM FOR RUMINANTS AND SWINE .....JUN 06 P. 18
SUPPLEMENTAL VITAMIN E, SELENIUM EFFECTS STUDIED .....JUN 20 P. 13
SELENIUM UPS HATCHABILITY CUTS GIZZARD MYOPATHY .....AUG 22 P. 10

SILAGE
SILAGE AND SILAGE FERMENTATION .....MAR 28 P. 49
TREATED HAY MAINTAINS QUALITY BETTER IN TRIALS .....MAY 02 P. 15
NFIA MEETS WITH SILAGE INGREDIENT HANDBOOK WRITERS .....SEP 05 P. 5
FEEDING STEPS USING MOLD SILAGE PRESENTED .....DEC 12 P. 20

SOUTH AMERICA
SOUTH AMERICA SEEKS HIGHER MEAT PRODUCTION, EXPORTS .....JUL 25 P. 26
ARGENTINE EXPORT LEVELS SET RECORD .....OCT 10 P. 33

SOYBEANS
SOYBEAN SUPPLIES DOWN 13% .....JAN 31 P. 5
EPA CONSIDERING HERBICIDE BAN .....MAR 11 P. 48
DECLINING SOYBEAN SUPPLIES CANNOT SUSTAIN CURRENT USE RATE, USDA SAYS .....MAR 28 P. 2
CARTER PROMISES, POLITICAL EFFECTS MAKE SOYBEAN EMBARGO UNLIKELY .....APR 04 P. 1
$10 SOYBEANS BEGIN TO RATION USE, BUT PRICES COULD GO HIGHER .....APR 18 P. 1
UEP TELLS BERGLAND OF SOY MEAL CONCERN .....APR 18 P. 41
BERGLAND: LET MARKET RATION SOYBEAN SUPPLY .....APR 25 P. 2
SOYBEAN PRICES BOOST PRODUCTION COSTS .....APR 25 P. 5
FUTURES COMMISSION STEPS INTO SOY MARKET; COMPETITION FOR SUPPLIES KEEN .....MAY 02 P. 1
SOYBEAN USE UP 3%, SUPPLIES OFF 13%; PRICE RATIONING SEEN AS KEY .....MAY 02 P. 1
HUNT CASE IN COURT; POSITION RELEASE DEBATED .....MAY 09 P. 2
TRADE DEBATES FALLOUT FROM SOYBEAN TUSSLE AS HUNTS WIN APPEAL .....MAY 16 P. 1
HUNTS, CFTC SPLIT DECISION ON RELEASE OF DATA .....MAY 23 P. 5
SOYBEAN USE DROP MAY MEAN PRICE RATIONING .....MAY 30 P. 28
COURT TO HEAR HUNT COUNTERSUIT FIRST THIS WEEK .....JUN 06 P. 3
SOYBEAN EXPORTS BOOST OILSEED EARNINGS .....JUN 27 P. 3
USDA PREDICTS INCREASE IN SOYBEAN CRUSH .....JUL 18 P. 1
COURT TO ALLOW HUNT FAMILY TO RE-QUESTION CFTC'S MARTIN .....AUG 01 P. 3
THE MARKETPLACE .....AUG 15 P. 10
TAXES, TRANSPORT STYMIE BRAZIL'S SOYBEAN TRADE .....SEP 05 P. 1
SOYBEAN GROWTH DETAILED BY BRAZIL OFFICIAL .....SEP 05 P. 4
BROKER: KEY TO MARKETING SOYBEANS IS FEED DEMAND .....SEP 12 P. 4
SEPT. 1 SOYBEAN CARRYOVER LOWEST SINCE 1973: USDA .....SEP 26 P. 5
U.S. OILSEEDS AND PRODUCTS TRADE DECLINED IN JULY, USDA REPORTS .....OCT 03 P. 7
USDA, TRADE GROUPS DEBATE SOYBEAN LOAN .....OCT 10 P. 4
U.S., WORLD OILSEED SUPPLY INCREASE LIKELY TO KEEP FARM PRICES NEAR $5 .....OCT 24 P. 2
NO SOYBEAN RUST FOUND IN U.S. .....NOV 07 P. 37
SEPTEMBER OILSEED PRODUCT EXPORTS RISE SLIGHTLY .....DEC 12 P. 50

SOYBEAN FOODS
THE MARKETPLACE .....JAN 03 P. 8

MEAT INDUSTRY SHOULD VIEW SOY PROTEINS AS PARTNERS, NOT AS ENEMIES .....FEB 14 P. 4
SOY PROTEIN FORECAST: USE UP 71% BY 1985 .....AUG 22 P. 4

SOYBEAN MEAL
THE MARKETPLACE .....JAN 10 P. 12
SOYBEAN MEAL: PRODUCTION, COMPOSITION AND UTILIZATION .....JAN 17 P. 22
WORLD PROTEIN MEAL PRODUCTION FORECAST DROPS .....FEB 14 P. 5

STILBESTEROL
SACCHARIN STIRS UP THE CARCINOGEN DEBATE .....MAR 21 P. 14

STRAW
DANES DEVELOP SYSTEM OF LYE-TREATING STRAW PELLETS FOR BETTER DIGESTIBILITY .....JAN 03 P. 4
GRAIN CROP STRAW YIELDS HIGH PROTEIN FEED IN TRIALS .....MAR 21 P. 20
OREGON'S STRAUB ANNOUNCES STRAW SHIPPING PLAN .....JUN 13 P. 18

SUGAR
LOW PRICES, COMPETITION BRING CUTBACK IN SUGAR, BYPRODUCT OUTPUT .....AUG 15 P. 14

SUNFLOWER SEED MEAL
SUNFLOWER'S ASCENDANCY ADDS TO MEAL, SILAGE SUPPLIES .....JUL 04 P. 3
SOVIETS INSPECT SUNFLOWERS .....AUG 01 P. 1
SUNFLOWER SILAGE TESTED AS RATION FOR DAIRY STEERS .....AUG 22 P. 17
USDA: WORLD SUNFLOWER MEAL TRADE UP .....DEC 26 P. 6

SWINE HEALTH
S.D. HOGMEN DISCUSS PSEUDORABIES SITUATION .....JAN 24 P. 30
NPPC SPECIAL MEETING PUSHES FOR PSEUDORABIES CONTROL PROGRAM .....JAN 24 P. 34
U.S. PSEUDORABIES PROGRAM DELAY SEEN .....FEB 14 P. 14
PREVENTIVE MEDICINE IN PORK PRODUCTION .....FEB 28 P. 50
MORE PSEUDORABIES ATTENTION URGED .....FEB 28 P. 51
PSEUDORABIES ELIMINATION NEEDS CONTROL FIRST .....MAR 07 P. 1
NPPC CALLS ON BERGLAND TO MOVE ON PSEUDORABIES .....MAR 07 P. 5
CHILLING MAY BE ROOT OF MOST PIG DEATHS; SCIENTIST .....MAR 21 P. 16
SOUND SWINE LEGS, FEET CAN BE ASSURED BY SELECTION: GENETICIST .....MAY 02 P. 17
VET OFFERS MANAGEMENT TIPS ON SMEDI SYNDROME CONTROL .....MAY 16 P. 12
BACTERIN INJECTIONS CUT PIG E. COLI LOSS IN TRIALS .....MAY 23 P. 16
MEAT INSTITUTE VIEWS POTENTIAL EFFECTS OF PSEUDORABIES ON U.S. SWINE INDUSTRY .....MAY 23 P. 110
USDA PROPOSES SHIPPING RULES TO STOP SPREAD OF PSEUDORABIES .....JUN 06 P. 12
USDA'S MULHERN CALLS FOR PSEUDORABIES CONTROL PLAN .....JUN 06 P. 26
PSEUDORABIES ID SYSTEM CALLED FOR .....JUN 06 P. 26
PSEUDORABIES MAY END SWINE SHOWS .....JUN 13 P. 14
LICENSES VACCINE FOR PSEUDORABIES .....JUN 27 P. 3
RESEARCHERS STUDY DATA TO FIND HOG ABORTION CAUSES .....JUN 27 P. 10
NITHIAMIDE USED TO TREAT, PREVENT SWINE DYSENTERY .....JUL 04 P. 11
REPRODUCTIVE PROBLEMS SECOND ONLY TO DISEASE .....JUL 11 P. 14
SWINE DISEASE GUIDE .....JUL 20 P. 65
PSEUDORABIES SERUM TESTED IN ILLINOIS SWINE HERDS .....AUG 08 P. 12
ACUTE ERYSIPELAS REPORTED IN ILLINOIS THIS SUMMER .....AUG 15 P. 18
NEBRASKANS BAR PSEUDORABIES VACCINATION PLAN .....AUG 15 P. 20
USDA ASKS COMMENT ON BRUCELLOSIS REGS .....AUG 15 P. 20
SUPPORT LACKING FOR USDA'S PSEUDORABIES CONTROL PLAN: VET .....AUG 22 P. 3

CANADIANS DEFINE QUARANTINE SITES FOR U.S. SWINE .....AUG 22 P. 4
DIABETES IN SOWS SAID TO BOOST BABY PIG SURVIVAL CHANCES .....AUG 22 P. 13
USDA FINDS GOOD RESULTS WITH NEW PSEUDORABIES TEST .....AUG 29 P. 10
VIRUSES CAUSE ONE-FIFTH OF ABORTIONS IN SWINE STUDY .....NOV 21 P. 16

SWINE INDUSTRY
PORK INDUSTRY SAID HAMPERED BY POOR REPRODUCTIVE PERFORMANCE, DAILY GAINS .....JAN 24 P. 8
LAST-HALF '77 REBOUND SEEN FOR PORK INDUSTRY .....JAN 24 P. 31
WEATHER, FORAGE SUPPLIES PRIMARY MEAT FACTORS .....FEB 14 P. 2
COLD'S EFFECTS MAY HURT PIG CROP .....FEB 14 P. 6
PIG CROP DEATH LOSSES THIS WINTER MAY SHOW UP IN SUMMER MARKETS .....FEB 21 P. 1
CONFINEMENT, MORE INTENSIVE USE OF FACILITIES CHANGE FACE OF PORK INDUSTRY .....FEB 28 P. 1
EXPECTED BOOST IN PIG CROP HINGES ON WEATHER, GRAIN .....FEB 28 P. 1
PACKER VOICES CONCERN OVER WISCONSIN'S SWINE DECLINE .....FEB 28 P. 59
USDA ANNOUNCES NEW PORK STANDARDS .....FEB 28 P. 60
VET'S ROLE SEEN CHANGING TO ONE OF CONSULTANT .....MAR 14 P. 5
HOG PRODUCERS REACTIONS MIXED TO USDA REPORT .....MAR 28 P. 1
OUTPUT INDEXES FOR MOST MEAT ANIMALS UP IN '76; BUT SHEEP MARKETINGS FELL .....MAY 02 P. 6
PORK PRODUCTION COSTS RUN $2-3 HIGHER THAN LAST YEAR .....JUN 06 P. 12
HIGHER MEAT PRICES LIKELY IN SECOND HALF AS BEEF SUPPLIES BECOME SMALLER .....JUN 13 P. 1
LARGE SWINE UNITS OUT-NET SMALL IN ILLINOIS .....JUN 20 P. 5
FEED MEN FORESAW LOW HOG NUMBERS .....JUL 04 P. 1
LARGE UNITS SHOW PROFIT, SMALL ONES DON'T IN SURVEY .....JUL 18 P. 10
LEVEL CONSUMPTION, SOME RETAIL PRICE HIKES SEEN IN '77 FOR RED MEAT, BROILERS; USDA .....AUG 08 P. 4
WORLDWIDE RED MEAT OUTPUT UP 2% IN '76, BUT PORK OFF; BEEF, VEAL RISE 5% .....AUG 29 P. 3
NUTRITION SAID KEY TO LATIN AMERICA PORK .....AUG 29 P. 10
THE MARKETPLACE .....SEP 12 P. 10
PORT INTEGRATION OFFERS BENEFITS, RISK TO FEED MEN .....SEP 19 P. 1
NON-INTEGRATED HOG PRODUCERS SEEN BENEFITTING FROM MORE GRAIN STORAGE .....SEP 26 P. 5
THE MARKETPLACE .....OCT 03 P. 10
USDA: TOTAL MEAT SUPPLIES LIKELY LARGE NEXT YEAR .....OCT 10 P. 5
HIGHER CATTLE, LOWER POULTRY, PORK PRICES SEEN .....OCT 17 P. 1
USDA DROPS GARBAGE FEEDING RULE CHANGE .....NOV 14 P. 12
SWINE SPECIALIST FINDS CONTRADICTIONS IN SOVIET HOG CONFINEMENT METHODS .....NOV 14 P. 13
MIX IN RED MEAT OUTPUT TO CHANGE NEXT YEAR .....NOV 28 P. 18
SULFA RESIDUES HOT TOPIC AT NPPC MEETING .....DEC 05 P. 1
PORK PRODUCTION GOING TO THE 'YOUNG TIGERS' .....DEC 05 P. 4
LESS BEEF, MORE PORK, POULTRY FORESEEN .....DEC 19 P. 5

SWINE MANAGEMENT
BUILDING TYPE, FEED FORM TESTED IN OHIO TRIALS .....JAN 03 P. 11
SOLAR HEATING WARMS VENTILATION AIR 25 DEGREES .....JAN 17 P. 10
CANADIAN RUNS TRIALS TO BREED BACK SOWS SOONER .....JAN 31 P. 12
TOTAL-CONFINEMENT GILTS MAY HAVE MORE BREEDING PROBLEMS: RESEARCHER .....FEB 21 P. 12
MONTANANS HEAR TIPS ON HOG-RAISING MANAGEMENT .....FEB 28 P. 60
EARLIER GILT BREEDING MAY BE POSSIBLE, CANADIANS SAY .....APR 11 P. 18
ILLINOIS AG SPECIALISTS OUTLINE MANAGEMENT TIPS .....APR 18 P. 12
HOT WEATHER ADVERSELY AFFECTS HOGS, LAYERS, FIRM'S RESEARCH SHOWS .....JUN 06 P. 16
ENERGY SAVINGS CLAIMED WITH FARROWING UNITS .....JUL 04 P. 11
RESEARCH 'EXERCISES' SOWS TO SEE IF THEIR PERFORMANCE IMPROVES .....OCT 17 P. 24
ENVIRONMENTAL EFFECTS ON WEANED PIGS STUDIED .....OCT 24 P. 16
MORE ROOM STIMULATES HOG GAINS, CONVERSION .....NOV 14 P. 12

SOLAR-COLLECTED FARROWING HEAT STUDIED AT K-STATE .....DEC 05 P. 12
GOOD MANAGEMENT CALLED KEY TO SUCCESSFUL HOG CONFINEMENT .....DEC 19 P. 12
BLOOD TYPING MAY HELP PIG BREEDERS UP REPRODUCTION .....DEC 19 P. 12

SWINE NUMBERS
HOGS AND PIGS .....JAN 17 P. 38
SOWS FARROWING MARCH TO MAY UP ONLY 3%: USDA .....MAR 28 P. 4
JUNE-NOVEMBER FARROWING, IF REALIZED, WILL BE LARGEST SINCE '71 .....JUN 27 P. 1
HOGS, PIGS REPORT BULLISH; HIGHER PRICES FORECAST .....JUN 27 P. 2
HOGS AND PIGS .....JUL 04 P. 28
HOG INVENTORY UP IN MAJOR PRODUCING COUNTRIES .....JUL 25 P. 29
SEPTEMBER-FEBRUARY HOG FARROWING INTENTIONS UP 10% .....SEP 26 P. 1
DEC. 1 HOG NUMBERS, FARROWING INTENTIONS ABOUT WHAT EXPECTED .....DEC 26 P. 1

SWINE NUTRITION
BUILDING TYPE, FEED FORM TESTED IN OHIO TRIALS .....JAN 03 P. 12
TRIALS SHOW ENERGY SOURCE HAS EFFECT ON PIG SURVIVAL .....JAN 10 P. 19
SOLAR HEATING WARMS VENTILATION AIR 25 DEGREES .....JAN 17 P. 10
MONTANA STUDIES BARLEYS FOR HOGS .....JAN 24 P. 32
HIGH-MOISTURE SORGHUM ACID-TREATED IN TRIALS .....JAN 31 P. 12
BABY PIG SAID TO NEED IRON SHOT AT THREE DAYS .....JAN 31 P. 25
DEVELOPMENT OF FEED PREFERENCE IN YOUNG SWINE .....JAN 31 P. 25
FAT PERCENTAGE MAY NOT INCREASE AT HEAVIER WEIGHT .....FEB 07 P. 12
USING DEHYDRATED ALFALFA TO CONTROL INTAKE OF SELF-FED SOWS DURING GESTATION .....FEB 07 P. 20
SWITCHING BABY PIGS TO SOLID DIET OFFERS PROBLEM .....FEB 14 P. 11
CALORIE: AMINO ACID RATIO SAID VITAL WHEN USING FAT .....FEB 14 P. 14
RESEARCHERS WANT HOG PRODUCERS TO USE LESS GRAIN .....FEB 14 P. 14
OATS REPLACE 60% OF CORN IN MINNESOTA DIET TRIALS .....FEB 21 P. 12
FAT MAY BE ECONOMICAL IN GROWING-FINISHING HOG DIETS, RENDERER SYMPOSIUM TOLD .....FEB 28 P. 8
ADDITIVES HELP GROWTH RATE OF ATROPHIC RHINITIS PIGS .....FEB 28 P. 18
SOYBEAN HULLS MAY BE USED EFFICIENTLY IN HOG RATIONS .....FEB 28 P. 20
PROGRESS IN DEVELOPMENT OF ALFALFA AS A FEEDSTUFFS FOR NON-RUMINANTS .....FEB 28 P. 48
A GUIDE TO FEED ADDITIVES USED IN SWINE PRODUCTION .....FEB 28 P. 51
DRIED BREWERY SOLUBLES SUPPLEMENT VALUE MEASURED .....MAR 07 P. 12
GESTATING SOWS DO WELL ON HIGH-ALFALFA TRIAL RATIONS .....MAR 14 P. 12
PEA SCREENINGS TESTED AS SWINE GROWING RATION .....MAR 28 P. 10
LIMIT-FED SOWS SHOW GOOD PIG PERFORMANCE IN TRIALS .....APR 04 P. 17
FEEDING ANIMAL FAT TO GROWING AND FINISHING PIGS .....APR 11 P. 20
FORMULATING SWINE, POULTRY RATIONS USING FLASH-DRIED BLOOD MEAL .....APR 18 P. 22
TRIALS STUDY EDDI EFFECTS ON RESPIRATORY PROBLEMS .....APR 25 P. 10
ANTIBIOTIC USE FOR SWINE SHOULD BE CONTINUED .....MAY 02 P. 19
PENN STATE TRIALS STUDY PIG GROWTH RATE FACTORS .....MAY 09 P. 12
CONFERENCE SPEAKERS DETAIL LATEST POULTRY, SWINE, RUMINANT, HORSE RESEARCH .....MAY 30 P. 4
ALTERNATIVES TO SOYBEAN PROTEIN EVALUATED .....MAY 30 P. 12
RAPESEED MEAL MAY BOOST HEAVY HOGS' CARCASS QUALITY .....JUN 13 P. 12
SUPPLEMENTAL VITAMIN E, SELENIUM EFFECTS STUDIED .....JUN 20 P. 13
BIOAVAILABILITY OF PHOSPHORUS IN FEED INGREDIENTS FOR SWINE .....JUN 20 P. 16
WORKERS SAY HOG FAT CELL SIZE, NOT NUMBER, IMPORTANT .....JUN 27 P. 12
RESEARCHERS OFFER TIPS ON FEEDING WHEAT TO HOGS .....JUL 04 P. 11
MARKET POTENTIAL OF DEHYDRATED COASTAL BERMUDA GRASS IN SWINE FEEDS .....JUL 04 P. 13
EFFECT OF CORN QUALITY ON PERFORMANCE OF GROWING-FINISHING SWINE .....JUL 18 P. 22
NUTRIENT REQUIREMENTS OF SWINE .....JUL 20 P. 41

BUQUINOLATE TESTED IN IOWA GROWING TRIALS .....JUL 25 P. 14
OATS RATION EQUALS CORN, SOYBEAN DIET IN TRIALS .....AUG 22 P. 12
PIGS' GROWTH RATES DIFFER WITH DEGREES OF FATNESS .....AUG 29 P. 10
PIGS IN TRIAL DO WELL ON SINGLE-CELL PROTEIN .....SEP 12 P. 12
HIGH MOISTURE CORN SAVES FEED IN SERIES OF TRIALS .....SEP 19 P. 11
PROBIOTICS HELP BOOST FEED EFFICIENCY, SEMINAR TOLD .....SEP 19 P. 11
SWINE NUTRITIONISTS COMPARE CORN WITH SORGHUM, INVESTIGATE TRITICALE .....OCT 17 P. 4
VIRGINIAMYCIN LEVELS VARIED IN STARTER, GROWER RATIONS .....OCT 17 P. 14
A COMPARISON OF TWO DIETARY PROTEIN SEQUENCES FOR GROWING-FINISHING PIGS .....OCT 17 P. 22
CONFINEMENT PIGS MAY NOT NEED HIGHER NUTRIENT LEVELS .....OCT 31 P. 12
PERFORMANCE NOT HURT BY UP TO 10% RAPESEED MEAL .....NOV 07 P. 10
SALT, YELLOW MILO, BREWERS' GRAINS TESTED IN PIG DIETS .....NOV 21 P. 16
ARTIFICIAL SUGAR REPLACERS, SHEY INTENSIFIERS, AROMATIC ATTRACTANTS FOR SWINE STARTER RATIONS .....NOV 21 P. 24
ADDED FAT ADDS EFFICIENCY IN K-STATE SWINE TRIALS .....NOV 28 P. 10
LEANER PIGS EAT LESS PER DAY .....DEC 05 P. 13
BONE DEVELOPMENT RELATED TO CA:P RATIO AND FLOOR TYPE STUDIED .....DEC 05 P. 13
BETTER BREEDING HERD EFFICIENCY CALLED BEST CHANCE TO IMPROVE .....DEC 12 P. 12
UK STUDY RECOMMENDS 13% DIETARY PROTEIN DURING GESTATION, LACTATION .....DEC 12 P. 12
RESEARCH FINDS IRON SOURCES VARY FOR YOUNG PIGS .....DEC 19 P. 12
BACITRACIN FOUND BENEFICIAL IN LOW PROTEIN LAYER DIET .....DEC 19 P. 18
MSU WORKERS FIND MIDDS PRACTICAL AT MODERATE LEVEL .....DEC 26 P. 12

TAXES
THE NEW TAX LAW: WHAT IT MEANS TO AGRIBUSINESS .....JAN 03 P. 22
SEPEA SUPPORTS TEXAS ACTION .....FEB 07 P. 17
ANCA SAYS TAX REFORM ACT UNFAIR TO AGRIBUSINESS, WANTS REVISIONS .....MAR 07 P. 33
PUSH MADE TO UP CALIFORNIA FEED TONNAGE TAX .....MAR 21 P. 39
SENATE BILL ALLOWS PROCESSORS TAX RELIEF .....MAY 02 P. 38

TRACE MINERALS
NUTRITION ROLE OF TRACE MINERALS NOTED .....MAR 07 P. 7
MAGNESIUM IN ANIMAL NUTRITION .....JUN 27 P. 35
TOLERANCE LEVELS, TOXICITY OF ESSENTIAL TRACE ELEMENTS FOR LIVESTOCK AND POULTRY .....AUG 29 P. 18
TOLERANCE LEVELS, TOXICITY OF ESSENTIAL TRACE ELEMENTS FOR LIVESTOCK AND POULTRY .....SEP 12 P. 22
TRACE ELEMENT ABSORPTION FACTORS IN ANIMALS .....DEC 19 P. 20

TRANSPORTATION
GRAIN CAR LOADINGS OFF 8% IN '76 .....JAN 03 P. 3
TRANSPORT COSTS SAVINGS SAID VITAL TO NATIONAL POLICY .....JAN 03 P. 10
SUIT BY RAILROAD, ENVIRONMENTALISTS OPPOSES CHANNEL .....JAN 03 P. 32
TWIN CITY BARGE SHIPMENTS UP SHARPLY .....JAN 10 P. 9
ADAMS URGED TO CREATE FREIGHT POST .....JAN 10 P. 50
WINTER PLACES DRAMATIC DEMAND ON RAIL CARS .....FEB 07 P. 1
BN GRANTS MORE ORIGIN FREE TIME .....FEB 21 P. 32
USDA NOTES NO 'ABNORMAL' TRANSPORT PROBLEMS .....FEB 28 P. 62
NEW ENGLAND RESEARCHERS STUDY CHEAPER TRANSPORT RATE TO REGION .....MAR 07 P. 20
MICHIGAN PROGRAM WOULD REVITALIZE STATE'S RAIL SERVICE, DEALERS TOLD .....MAR 14 P. 4
TRANSPORT AVAILABILITY EASING UP, HIGHER FREIGHT RATES IN PROSPECT .....MAR 21 P. 1
"PUSH-PULL, CLICK-CLICK" .....MAR 21 P. 40
LOCKS AND DAM 26 CONSTRUCTION HELD UP BY USERS' FEE ISSUE .....APR 04 P. 6
USER FEE PROPOSAL SANGS BILL FOR LOCKS & DAM 26 .....MAY 09 P. 2
SENATE FACES TWO CHOICES ON LOCKS & DAM 26 .....MAY 23 P. 6

GOVERNMENT STEPS UP TRUCK, TRAILER INSPECTIONS .....MAY 23 P. 50

CALIFORNIA TRUCK RATE RULES MODIFIED .....JUN 06 P. 3
HOUSE PANEL, SENATE CONTINUE DEBATING USER FEES, REBUILDING LOCKS & DAM 26 .....JUN 20 P. 2
BARGE EXEC SAYS INTERMODAL USE MORE EFFICIENT .....JUN 20 P. 24

AMPLE GRAIN SUPPLIES MAY EASE COSTS FOR PRODUCERS IN SQUEEZE .....JUN 27 P. 1
NEW ALTON LOCKS AND DAM LEGISLATION AWAITS HOUSE ACTION AFTER SENATE APPROVAL .....JUN 27 P. 2
RAILROADS PROPOSE 10% INCREASE FOR SOUTHERN GRAIN TRANSPORTATION .....JUL 04 P. 1

SOUTHERN RAILROADS AMEND PROPOSAL TO 20% INCREASE FOR SEASONAL GRAIN CARGOES .....JUL 11 P. 2
AG COMMODITIES TRUCKERS RECOVERING .....JUL 11 P. 6
SENATE AG COMMITTEE HEARS PLEAS ON RAIL ABANDONMENT .....JUL 18 P. 2

LOCKS & DAM 26 REPLACEMENT CLOSER; WHO WILL PAY, AND HOW, STILL IN DOUBT .....JUL 25 P. 2
NO ACTION AGAINST FIRMS IN ICC BOXCAR PROBE .....AUG 08 P. 1
POULTRYMEN SEEK RATE INCREASE CHANGE .....AUG 15 P. 7

PEPA PROTESTS WEIGHT POLICIES .....AUG 29 P. 4
PETITIONS URGE RAIL ACT REFORM .....AUG 29 P. 4
HARVEST TRANSPORT PICTURE BRIGHT .....SEP 05 P. 2

RAILROADS WANT INTRASTATE RATE INCREASE .....SEP 05 P. 6
AGWAY'S HARRIDGE: NORTHEAST AG TRANSPORT EXPENSIVE, NEEDS BALANCE .....SEP 12 P. 5
BERGLAND LINKS CANAL TREATY, SUPPORT TO U.S. AG EXPORTS .....SEP 19 P. 6

GEORGIA DENIES RAIL RATE BOOST .....SEP 19 P. 10
THE PANAMA CANAL - A VITAL LINK FOR U.S. GRAIN EXPORTS .....SEP 19 P. 22
HIGHER FREIGHT RATES FOR U.S., SOUTH EXPECTED .....SEP 26 P. 2

WATER GROUPS SUPPORT FUEL TAX COMPROMISE .....OCT 10 P. 33
SHIPS MOVING, GRAIN STRIKE SIMMERS DOWN .....OCT 24 P. 4
LOCKS & DAM BILL JAMMED ON VETO THREAT .....OCT 24 P. 7

NEW ENGLAND GRAIN, FEED COUNCIL PROTESTS SCHEDULED RAIL RATE HIKE .....OCT 31 P. 6
USDA, AFFECTED STATES REVIEWING RAIL CLOSING PLANS, SUBSIDY POSSIBILITY .....NOV 07 P. 4
LAMBERT: WATERWAYS IMPROVEMENT NEEDED; SENATE VOTE WILL BE CLOSE .....NOV 21 P. 4

USDA SUGGESTS CO-OPS POOL RAIL EQUIPMENT .....NOV 28 P. 36
NEW STATEMENT FILED IN ICC RAIL RATE CASE .....NOV 28 P. 66
ICE, COLD CLOSE UPPER MISSISSIPPI BARGE TRAFFIC .....DEC 05 P. 1

RAIL TRAFFIC DECLINED 7% FOR GRAIN IN '77 .....DEC 26 P. 5
MANAGEMENT, MODIFICATIONS CAN INCREASE TRUCK EFFICIENCY UP TO 46% .....DEC 26 P. 35

TRITICALE
GRADE STANDARDS SET FOR TRITICALE .....FEB 28 P. 61

TURKEY HEALTH
VETERINARIAN WARNS ABOUT TURKEY VIRUS .....JAN 10 P. 37
INFECTION CONTROL HINGES ON TOTAL ENVIRONMENT: VET .....JAN 17 P. 6

AVIAN RESEARCHERS DESCRIBE FOWL CHOLERA VACCINE TESTS .....JAN 31 P. 17
VET DESCRIBES CALIFORNIA MM ERADICATION PLAN .....MAR 14 P. 17
BROILER RESPIRATORY PROBLEMS, TURKEY FOOT LESIONS STUDIED .....APR 04 P. 12

BROTH BACTERIN RATES BETTER THAN COMMERCIAL VACCINE .....MAY 09 P. 15
ADDITIONAL FUNDS FOR MYCOPLASMOSIS ASKED .....MAY 23 P. 30
TURKEY CORYZA SEEMS TO BE INCREASING AMONG POULTS, VETERINARIANS TOLD .....JUL 25 P. 6

SPECIALIST EXPLAINS USE OF NEW FOWL CHOLERA VACCINE .....AUG 15 P. 6
TURKEY SPECIALISTS OUTLINE ENERGY CONSERVATION AND HEALTH PROGRAMS .....OCT 24 P. 15

TURKEY INDUSTRY
'77 MAY BE YEAR OF RECOVERY FOR TURKEY INDUSTRY .....JAN 10 P. 1
TURKEY INDUSTRY AT A GLANCE .....JAN 10 P. 1

GROWERS, PROCESSORS TALK TURKEY ON CONTRACT FABORITISM, PRICE SYSTEM. .....JAN 17 P. 1
NTF EXPECTS GOOD TURKEY YEAR; NO CHECK-OFF PLANNED .....JAN 24 P. 11
INTERNATIONAL-SOUTHEASTERN TURKEYMEN HEAR ABOUT DRUG USE, FOOD TRENDS .....FEB 07 P. 6
TREND TO FEWER, LARGER HATCHERIES CONTINUES IN '76 .....FEB 28 P. 31
MORE TURKEYS CONTRACT GROWN, ECONOMIST SAYS .....MAR 07 P. 1
'77 BROILER OUTPUT SEEN UP; PRICES EXPECTED TO SHOW MORE WEAKNESS AHEAD .....MAR 07 P. 7
MORE EGGS, BROILERS IN STORE; LEVEL TURKEY CROP FORESEEN .....MAR 21 P. 11
MARKETING AND INTEGRATION IN THE POULTRY AND EGG INDUSTRIES .....JUL 04 P. 16
TURKEY NUMBERS STAY HIGH PRICES STEADY .....JUL 18 P. 1
NEBRASKA TURKEY INDUSTRY SEEKS PLANT EFFICIENCY .....AUG 29 P. 5
THE MARKETPLACE .....OCT 03 P. 10
OVERPRODUCTION MAY REVERSE TURKEY PROFITS .....NOV 21 P. 1

TURKEY MANAGEMENT
STUDY SKETCHES TURKEY EGG QUALITY-REPRODUCTION RELATIONSHIP .....JAN 10 P. 36
TURKEY HAM LABEL LAWSUIT SHELVED .....JAN 24 P. 11
NTF RAISES OVER HALF OF BUDGET AT CONVENTION, PLANS PROMOTIONS .....JAN 24 P. 75
TURKEY INSEMINATION PROBLEMS NOTED .....JAN 31 P. 6
SPACE ALLOTMENTS FOR POULTRY .....APR 04 P. 22
TURKEY PRODUCERS GET ADVICE ON PRICES, COSTS .....APR 18 P. 16
SCIENTIST NOTES SUMMER CHANGES FOR TURKEY HENS .....JUN 20 P. 12
NTF CONSIDERS CHECK-OFF CHANGE, TAKES NO ACTION .....JUL 18 P. 32
TEST SUPPORTS USE OF LOW LIGHT FOR BREEDER TOMS .....OCT 17 P. 10
TURKEY HOUSING, HEALTH, DIETS DISCUSSED IN VIRGINIA .....DEC 26 P. 17

TURKEY MARKETING
TURKEY NUTRITION LABEL BENEFITS NOTED .....JAN 17 P. 5
NTF SETS UP TURKEY HAM DEFENSE FUND .....JAN 17 P. 6
AMI PROTESTS POULTRY INDUSTRY PRODUCT NAMES .....FEB 07 P. 1
IOWANS TO VOTE ON TURKEY PROGRAM .....AUG 01 P. 27
NTF CAMPAIGN CONCENTRATES ON EIGHT MAJOR METROPOLITAN MARKETS .....AUG 08 P. 6
NTF EXPECTS USDA TURKEY HAM PROPOSAL .....AUG 08 P. 23
TURKEY CHECKOFF INCREASE APPROVED BY CALIFORNIANS .....AUG 15 P. 7
TURKEY HAM LABEL CONFUSES SOME BUYERS .....DEC 12 P. 16

TURKEY NUMBERS
TURKEY GROWERS PLAN SLIGHT EXPANSION IN '77 .....JAN 10 P. 5
DECEMBER TURKEY PLACEMENT DROP REPORTED BY NTF .....JAN 10 P. 9
DECEMBER EGG PRODUCTION, LAYER TOTAL UP FROM '75 .....JAN 31 P. 6
TURKEYS - NUMBER RAISED ON FARMS, 1974-1976 .....FEB 07 P. 64
JANUARY EGG LAYINGS OFF 1%; CHICK PLACEMENTS UP 5%; TURKEY HATCH UP 2% .....FEB 28 P. 11
EGG PRODUCTION DROPS 5% AS LAYER NUMBERS DECLINE IN FEBRUARY .....MAR 21 P. 11
USDA REPORTS JANUARY 1 REVISED POULTRY FIGURES .....APR 11 P. 6
LAYING FLOCK OFF 1% APRIL 1; BROILER-CHICK HATCH UP 4% .....APR 25 P. 5
USDA REPORTS COMBINED U.S. POULTRY INCOME OF $7.1 BILLION IN 1976 .....APR 25 P. 7
BROILERS SHOULD LEAD PARADE OF INCREASED WORLD POULTRY MEAT OUTPUT IN '77: USDA .....MAY 09 P. 5
EGGOTYPE CHICK HATCH UP 7%, BROILERS UP 4% .....MAY 23 P. 11
EGG OUTPUT UP SLIGHTLY; BROILER, TURKEY HATCHES UP .....JUN 27 P. 3
USDA: LAYERS, TURKEYS DOWN, BROILERS UP IN JUNE .....JUL 25 P. 6
USDA: TURKEYS NEAR RECORD; EGGS AND CHICKENS DECREASE .....AUG 29 P. 5
TURKEYS .....SEP 12 P. 44
TURKEY, BROILER SETTINGS UP, EGG PRODUCTION DECREASES .....SEP 26 P. 6

EGG OUTPUT, BROILER, TURKEY HATCHES UP .....OCT 24 P. 6
EGG PRODUCTION, BROILER, TURKEY HATCH UP IN OCTOBER .....NOV 21 P. 4
EGG OUTPUT UP 4% IN NOVEMBER; BROILER HATCH UP 5%, POULTS OFF 2% .....DEC 26 P. 6

TURKEY NUTRITION
AMINO ACID REQUIREMENTS FOR TURKEYS .....JAN 10 P. 33
NO EFFECTS NOTED IN PROBIOTICS, PELLETING STUDY .....JAN 10 P. 37
CULTURES GAIN MORE ATTENTION AS POSSIBLE ANTIBIOTIC SUBSTITUTE, TURKEYMEN TOLD .....JAN 17 P. 6
LYSINE LEVEL'S EFFECT ON TURKEY PERFORMANCE NOTED .....JAN 17 P. 13
RESEARCHER: TURKEY DIET SAVES FEED .....MAR 07 P. 6
FISH MEAL SYMPOSIUM IS UPDATED ON LATEST RESEARCH .....MAR 28 P. 5
SUMMARY OF PAPERS FROM THE MEETING OF THE POULTRY SECTION, SOUTHERN ASSN. OF AGRICULTURAL SCIENTISTS .....MAR 28 P. 51
RESEARCHER TELLS PROTEIN NEEDS FOR TURKEY HENS .....JUN 20 P. 12
TURKEY AMINO ACID NEEDS MAY VARY FROM NRC LEVELS .....DEC 12 P. 14
CONTROLLED FEEDING AIDS TURKEY PROGRAM .....DEC 19 P. 7
TURKEY HOUSING, HEALTH, DIETS DISCUSSED IN VIRGINIA .....DEC 26 P. 17

TURKEY PROCESSING
CHILLER WATER INPUT COULD BE DECREASED SUBSTANTIALLY: VIRGINIAN .....FEB 07 P. 6

UNIVERSITIES

ABRAHAM BALDWIN AGRICULTURAL COLLEGE
SUNBELT FARM SHOW PUSHED FOR NEXT YEAR .....MAY 16 P. 42

UNIVERSITY OF ARIZONA
STOCKMEN'S SCHOOL AGENDA ANNOUNCED .....SEP 12 P. 46

COLORADO STATE UNIVERSITY
RECOGNIZED FOR SUPPORT .....JUL 25 P. 7
COLORADO STATE WORKERS AWARDER FDA GRANTS .....NOV 28 P. 44

UNIVERSITY OF CONNECTICUT
CONNECTICUT DAIRYMEN .....JUN 20 P. 35

CORNELL UNIVERSITY
CORNELL SLATES 14TH ANNUAL AG EXEC SEMINAR .....MAR 14 P. 23
FOOD, FERTILIZER, AG RESIDUES MEETING SCHEDULED .....MAR 28 P. 48
CORNELL'S SCOTT WINS NUTRITIONISTS' AWARD .....MAY 23 P. 26
TAKING A BREAK .....AUG 01 P. 7

ELLSWORTH COLLEGE
SWINE MANAGEMENT CLASS GRADUATES .....SEP 19 P. 39

UNIVERSITY OF FLORIDA
BEEF CATTLE SHORT COURSE SET FOR FLORIDA IN MAY .....APR 04 P. 26
FLORIDA POULTRY INSTITUTE PLANNED FOR MAY 23-25 .....APR 11 P. 27

UNIVERSITY OF GEORGIA
SPEAKERS, TOPICS SET FOR GEORGIA NUTRITION MEETINGS .....JAN 24 P. 66

KANSAS STATE UNIVERSITY

KSU FEED STUDENTS SEEK SUMMER JOBS .....FEB 21 P. 34
INDUSTRY HELP IN K-STATE ENROLLMENT SOUGHT .....APR 11 P. 7
FEED COURSE AT K-STATE MAY LEAD TO OTHER SERIES .....MAY 30 P. 3
TRANSPLANTED KANSAN .....JUN 06 P. 6
DEYOE NAMED TO HEAD DEPARTMENT .....JUN 27 P. 2
K-STATE HAS GRAIN SCIENCE OPENING .....JUL 11 P. 4
K-STATE, AID EXTEND FOREIGN FOOD PROGRAM .....OCT 31 P. 17
NEW DAIRY CENTER .....NOV 28 P. 36
ACCEPTS PHOTO OF MILL .....NOV 28 P. 66
KSU AWARDS ALMOST $56,000 IN AID .....DEC 05 P. 4
KSU OFFERING GRAIN PROCESSING COLLEGE COURSE .....DEC 05 P. 5
INNOVATIVE DAIRY FACILITY .....DEC 12 P. 5
K-STATE CANCELS FEED SEMINAR .....DEC 26 P. 59

UNIVERSITY OF MARYLAND
MARYLAND SETS AGENDA FOR 1977 NUTRITION MEETING, MARCH 17-18. .....JAN 17 P. 31

UNIVERSITY OF MASSACHUSETTS
N.E. DAIRY FEED CONFERENCE SET .....MAR 14 P. 16
DAIRY SPECIALISTS .....APR 18 P. 14

MILWAUKEE SCHOOL OF ENGINEERING
SPITZER TO HEAD ENGINEER SCHOOL .....MAY 30 P. 6

UNIVERSITY OF MINNESOTA
STEP TAKEN TO EXPAND MINNESOTA VET SCHOOL .....JAN 03 P. 26

MONTANA STATE UNIVERSITY
AGENDA SET FOR ANNUAL MONTANA NUTRITION MEETING .....JAN 03 P. 3

MORGAN COMMUNITY COLLEGE
COLLEGE OFFERS ELEVATOR, MILL, SWINE COURSES .....NOV 28 P. 37

UNIVERSITY OF NEBRASKA
SEMINAR DEMONSTRATION .....APR 25 P. 52
SWINE RESEARCH HONOR .....DEC 12 P. 12

UNIVERSITY OF NEW HAMPSHIRE
NEW HAMPSHIRE POULTRY HEALTH MEETING PLANNED .....FEB 28 P. 11

PENNSYLVANIA STATE UNIVERSITY
GAMEBIRD AWARD .....APR 25 P. 44

PURDUE UNIVERSITY
W. M. BEESON OF PURDUE RETIRES .....MAY 09 P. 4

SOUTH DAKOTA STATE UNIVERSITY
S.D. ANIMAL SCIENCE BUILDING DEDICATED .....MAY 09 P. 14
POULTRYMEN HONORED IN SOUTH DAKOTA .....NOV 07 P. 6

VIRGINIA POLYTECHNIC INSTITUTE
FORMER FEED MAN GETS NEW AG POST .....OCT 03 P. 8

TALKING TOXINS AND TURKEYS .....DEC 26 P. 6

WASHINGTON STATE UNIVERSITY
POULTRY POSITION OPEN .....AUG 08 P. 6

WHARTON SCHOOL
WHARTON SPONSORS FOREIGN INVESTMENT STRATEGY SEMINAR .....JUL 25 P. 23

UNIVERSITY OF WISCONSIN
HORSE WORKSHOPS .....FEB 21 P. 45

U.S. DEPT. OF AGRICULTURE
AG SECRETARY NAMES COMMITTEE MEMBERS .....JAN 10 P. 10
WHITE HOUSE SLOW TO FILL USDA POSITIONS .....JAN 24 P. 6
USDA'S REGIONAL POULTRY OFFICE MOVED .....JAN 24 P. 10
FGIS TRAINING 200 NEW INSPECTORS .....JAN 24 P. 29
USDA OFFERS MPLS. TELEPHONE PRICES .....JAN 24 P. 61
USDA FOWL PLAGUE SUBCOMMITTEE TO MEET .....JAN 24 P. 105
NEW ADMINISTRATION GOING OVER AG BUDGET .....JAN 31 P. 4
NOMINATIONS FOR USDA POSTS SLOWED, BUT BERGLAND PROPOSALS GO TO CARTER .....JAN 31 P. 4
176 CROP DISASTER APPLICATIONS UP 48% OVER 1975 .....JAN 31 P. 16
SEC. BERGLAND SIZING UP NEW AG POLICIES FOR U.S. .....FEB 07 P. 1
USDA MEAT, POULTRY GROUP PLANS MEETING .....FEB 07 P. 6
USDA OFFERS DAILY MARKET SUMMARIES .....FEB 14 P. 60
GEORGIA NPIP STATUS BOOSTED .....FEB 21 P. 18
CARTER BUDGET BUMPS AG SHARE $2.08 BILLION HIGHER IN FISCAL 1978 .....FEB 28 P. 8
REPUBLICAN WINS BERGLAND'S SEAT .....FEB 28 P. 10
WHITE, FOREMAN NAMED TO TWO USDA POSITIONS .....MAR 14 P. 1
INSPECTION FEES RAISED BY USDA .....MAR 14 P. 18
BERGLAND CANCELS 11 ADVISORY COMMITTEES .....MAR 14 P. 47
CONFIRMED .....MAR 21 P. 5
CUTLER NOMINATED FOR USDA POST .....MAR 21 P. 62
CONFIRMED .....MAR 28 P. 1
SENATE CONFIRMS CAROL FOREMAN FOR USDA POST .....MAR 28 P. 2
BERGLAND OPPOSES ADDING USDA ASSISTANT SECRETARY FOR RESEARCH, COMMITTEES .....APR 04 P. 2
USDA TO SPEED DROUGHT AID TO WESTERN STATES .....APR 04 P. 4
CAROL FOREMAN: THE CONSUMER VOICE INSIDE THE AG DEPARTMENT .....APR 11 P. 2
NEPPCO SAYS POULTRY DIVISION SHOULD BE KEPT .....APR 11 P. 7
USDA RAISES OAT LOAN BY 27 CENTS .....MAY 02 P. 39
USDA TO NAME APPOINTEES TO FEDERAL AGENCIES .....MAY 02 P. 41
USDA POULTRY GROUP TO MEET MAY 12-13 .....MAY 09 P. 6
THE MARKETPLACE .....JUN 13 P. 10
USDA SETS UP BOARD TO COORDINATE, IMPROVE REPORTS .....JUN 20 P. 4
WILHELM NAMED NEW USDA DEPUTY ASSISTANT .....JUN 20 P. 4
BARTELT NAMED TO HEAD FGIS .....JUN 20 P. 6
HOUSE FUNDS INTERIOR INSPECTORS; NO MONEY FOR RECORD ENFORCEMENT .....JUN 27 P. 3
BERGLAND WILL ATTEND FLORIDA CONFERENCE .....JUN 27 P. 7
DAVID HUME RETIRES FROM USDA .....JUL 04 P. 2
USDA PROPOSES DROPPING POULTRY PLAN COMMITTEES .....JUL 11 P. 5
JENNINGS NAMED TO HEAD P&SA .....JUL 11 P. 25
HUGHES CHOSEN TO HEAD FAS .....JUL 11 P. 34
POULTRY COUNCIL TO CONSIDER USDA PROPOSAL .....JUL 18 P. 5

ANGELOTTI CHOSEN TO HEAD FSQS .....JUL 18 P. 27
AVIAN VETS ASK BERGLAND TO KEEP ADVISORY UNITS .....JUL 18 P. 30
POULTRY GROUPS URGE USDA TO KEEP NATIONAL POULTRY IMPROVEMENT COMMITTEES .....AUG 08 P. 6
USDA MAY CHANGE POULTRY DECISION .....AUG 15 P. 2
USDA EXTENDS FARM FACILITY LOAN REPAYMENT .....AUG 29 P. 4
KEEP COMMITTEES, USDA TELLS NPIP .....SEP 12 P. 7
AHALT EXPLAINS GOALS OF NEW CROP INFORMATION SYSTEM .....SEP 26 P. 4
BERGLAND: USDA STREAMLINE WILL HELP RESPONSIVENESS .....OCT 10 P. 1
SATELLITE USE IN CROP FORECASTING STUDIED BY SRS .....NOV 07 P. 25
TRADE ANGERED BY GRAIN STANDARDS APPOINTEES .....NOV 14 P. 6
GRAIN STANDARDS COMMITTEE MAKE-UP CHANGED .....NOV 21 P. 46
DANIELSON ON COMMITTEE .....NOV 28 P. 4
USDA COMBINES INFORMATION OFFICES .....DEC 05 P. 42
FGIS INSPECTORS BEGIN WORK AT ELEVATORS .....DEC 12 P. 5
ILLINOIS OFFICIAL GRAIN INSPECTION POINT NAMED .....DEC 12 P. 45
BERGLAND, E. C. OFFICIAL MEET ON TRADE .....DEC 19 P. 24
USDA MAILS PILOT SAMPLE OF FEED, LIVESTOCK ADVISORY LETTER .....DEC 26 P. 6
SENATORS ENTER USDA-FDA TIFF ON INSPECTION .....DEC 26 P. 7

U.S.S.R.
SOVIET UNION REPORTS RECORD '76 GRAIN HARVEST .....JAN 10 P. 6
THE SOVIET GRAIN CROP OF 1976: NO SIGN THAT OUTPUT IS STABILIZING .....JAN 31 P. 21
TRADE REP: U.S. NOT SOLE GRAIN SUPPLIER TO SOVIETS .....FEB 14 P. 1
U.S. STILL HAS EDGE OVER USSR IN FARMING EFFICIENCY, CROP YIELDS .....FEB 28 P. 29
SOVIET CROP TERMED 'AVERAGE' .....MAR 14 P. 48
GRAIN SHIPMENTS TO USSR CLEARED .....APR 04 P. 2
IT'S TOO EARLY TO PREDICT SOVIET GRAIN NEEDS .....MAY 23 P. 11
GRAIN TEAMS TO STUDY CONDITIONS IN SOVIET UNION .....JUN 06 P. 2
SOVIET CROP MAY BE THIRD BEST EVER: USDA .....JUN 13 P. 4
SOVIET WINTER WHEAT MAY YIELD WELL IF WEATHER IS WARM, DRY: USDA .....JUL 04 P. 3
USDA SAYS SOVIET GRAIN CROP COULD BE RECORD HIGH .....JUL 11 P. 3
LIVESTOCK AND POULTRY NUMBERS UP ON SOVIET FARMS .....JUL 25 P. 24
SOVIET CROP ESTIMATE DROPPED 5 MILLION TONS .....AUG 15 P. 2
SOVIET DELEGATE: IMPORTS PLANNED FOR FEED, NOT FOOD .....SEP 12 P. 13
SOVIETS MAY BUY 15 MILLION TONS GRAIN FROM U.S. .....NOV 07 P. 1
SWINE SPECIALIST FINDS CONTRADICTIONS IN SOVIET HOG CONFINEMENT METHODS .....NOV 14 P. 13
SOVIETS SELLING TRACTORS IN U.S. .....NOV 14 P. 35
THOUGH THEY MOVE MARKETS, SOVIET GRAIN PURCHASES LIKELY 'OLD BUSINESS': BROKERS .....NOV 21 P. 2
THE MARKETPLACE .....NOV 21 P. 8
SOVIETS TO BUY 15 MILLION TONS OF CORN, WHEAT .....DEC 19 P. 6

VETERINARY MEDICINE
VET PRACTICE CHANGING FOR MOST OF NATION'S DVMS .....OCT 03 P. 4
THIRD PROPOSAL TO LIMIT PENICILLIN, TETRACYCLINE EXPECTED THIS WEEK .....DEC 12 P. 1

VIEWPOINT
INDUSTRY EXPERTS START YEAR WITH BOOST FOR FUTURE GROWTH .....JAN 03 P. 42
EGG BECOMING MORE INCREDIBLE AS HEAVY AD CAMPAIGNS MUSHROOM .....JAN 31 P. 40
BROADER SUPPORT GIVES AG DAY INJECTION OF HYBRID VIGOR .....MAR 07 P. 50
LET'S HEAR IT FOR MAY, THE AFMA, PLENTY OF WORK AND A LITTLE PLAY .....APR 04 P. 40
AGGRESSIVE ACTION BY FDA LEADER DEMANDS STURDY INDUSTRY STANCE .....MAY 02 P. 40
MEMBERS OF HAMBURGER SOCIETY ALSO BELONG TO VARIETY FOOD CLUB .....JUN 06 P. 38

EASTMAN RESEARCH TEAM FIELDED TO HELP READERS HELP WRITERS .....JUL 04 P. 30
HEAT WAVE AN INSISTENT REMINDER TO MOVE FAST ON ENERGY SOLUTIONS .....AUG 01 P. 32
INDUSTRY SIGNAL-CALLERS MOVE TO SCORE IN YEAR'S FOURTH QUARTER .....SEP 05 P. 52
AGRICULTURE'S TRANSITION TRACED IN NEW STATISTICS AND FORECASTS .....OCT 03 P. 56
THEORISTS, THREATS, IDEALISM, DOMINATE REGULATORY LANDSCAPE .....NOV 07 P. 42
SKILLFUL RETELLING OF TRUTHS ENRICHES OPPORTUNITY FOR CHOICE .....DEC 05 P. 42

VITAMINS
MOST INGREDIENT SUPPLIES TERMED ADEQUATE; BUT PRICES GOING HIGHER ALONG WITH ENERGY .....MAY 02 P. 8
THE MARKETPLACE .....JUN 20 P. 8
VITAMIN K ACTIVE COMPOUNDS USED IN FEEDS .....NOV 07 P. 24
ADDED FAT ADDS EFFICIENCY IN K-STATE SWINE TRIALS .....NOV 28 P. 10

WASTE MANAGEMENT & RECYCLING
WORKSHOP REVIEWS NEW ALABAMA MANURE RECYCLING REGULATIONS .....JAN 03 P. 26
BIRD PERFORMANCE NOT HURT BY REFEEDING AERATED WASTES .....JAN 24 P. 43
MAKING THE MOST OF WASTE .....MAR 07 P. 22
ENGINEER EXPLAINS NEW WASTE RUNOFF SYSTEM .....APR 18 P. 15
SEPEA ANNOUNCES POULTRY WASTE FEEDING POSITION .....MAY 16 P. 23
AAFCO TASKFORCE WORKS ON ANIMAL WASTE REGULATIONS .....MAY 30 P. 5
CATTLE FEEDING GAINS REPORTED GOOD ON MISSISSIPPI COMPANY'S POULTRY WASTE .....MAY 30 P. 25
CAST PRAISES WASTE MANUAL EFFORTS .....JUN 13 P. 2
FOOD WASTE, MANURE HOLD PROMISE AS FEED, VETERINARIANS TOLD .....JUL 18 P. 6
WINTERING BROOD COWS MAKE BEST USE OF POULTRY LITTER: RESEARCHER .....AUG 15 P. 12
POTENTIAL FEEDING VALUE OF CROP RESIDUES IN THE U.S. .....AUG 15 P. 22
AUSTRALIANS TRY HAND AT FEEDING WASTE PRODUCTS .....SEP 26 P. 25
METHANE GAS MADE FROM CONFINEMENT UNIT WASTE .....OCT 03 P. 12
CHICKEN LITTER FEED INSPECTED AT FIELD DAY .....OCT 10 P. 15
PROFITS FROM MANURE: WORKERS LIST TREATMENTS, APPLICATION .....OCT 10 P. 16
GOOD CARE, TIME RECOMMENDED FOR LITTER EATING .....OCT 10 P. 18
BACTERIA POWER GENERATOR, PRODUCE FERTILIZER IN IOWA .....OCT 24 P. 6
METHANE FROM CATTLE MANURE TO REPLACE FUEL OIL .....NOV 14 P. 1
ANIMAL WASTE FEEDING GUIDES SET FOR STATES .....NOV 21 P. 1
RECYCLED POULTRY WASTES OFFER MORE POTENTIAL TO COW-CALF OPERATORS .....DEC 05 P. 5
FEEDLOT MANURE, SUPERPHOSPHATE FERTILIZING STUDIED .....DEC 12 P. 4
THE VALUE OF DRIED POULTRY WASTE AS A FEEDSTUFF IN BROILER DIETS .....DEC 12 P. 24

WEATHER
DEEP SOUTH FEELS BRUNT OF RECORD COLD, FUEL PINCH .....JAN 24 P. 5
COLD PUMMELS MOST OF NATION; CALIFORNIA SUFFERS FROM CONTINUING DROTH .....JAN 31 P. 2
POULTRY INDUSTRY EYES COLD WAVE LOSSES, SHORTER WEEK .....FEB 07 P. 7
RAINS IN MIDWEST, CALIFORNIA HELP, BUT DROUGH NOT ENDED: WEATHER OBSERVERS .....FEB 28 P. 6
NATION APPROACHES END OF DROUGHT PERIOD, NOT AT THRESHOLD OF WEATHER ERA .....MAR 07 P. 1
DROUGHT 'TRIANGLE' HAS OCCURRED SIX TIMES IN 40 YEARS .....MAR 07 P. 51
CALIFORNIA RAIN, SNOW DO LITTLE TO IMPROVE DROUGHT SITUATION, STATE SAYS .....MAR 21 P. 6
SOUTH DAKOTA CLOUD SEEDING MEASURE DEFEATED .....MAR 28 P. 9
DROUGHT EFFECTS STILL PLAGUE PASTURES .....APR 18 P. 1
WASHINGTON STATE CATTLE GRAZING, WHEAT AREAS AFFECTED BY DROUGHT .....APR 18 P. 53
REPEAT OF GREAT PLAINS DROUGHT THIS YEAR LESS THAN 20%: SPECIALIST .....APR 25 P. 4
DROUGHT AID TO LIVESTOCKMEN NEARS $50 MILLION .....MAY 02 P. 16
PLAINS WIND EROSION WORST IN 20 YEARS .....JUN 27 P. 41
DROUGHT-DAMAGED GEORGIA CORN LOSS PUT AT $94 MILLION .....JUL 04 P. 20

DROUGHT RUNS IN BAND ACROSS SOUTH; CORN PRODUCTION SET BACK .....JUL 11 P. 1
POULTRY LOSSES IN SOUTH ATTRIBUTED TO HEAT WAVE .....JUL 18 P. 30
HEAT LOSSES SCATTERED, BUT APPARENTLY NOT AS SEVERE AS TRADE FEARED .....JUL 25 P. 1
DROUGHT DRIES UP MISSISSIPPI FORAGE SUPPLIES .....AUG 01 P. 11

WHEAT
WEATHER CAUSES MIXED WINTER WHEAT OUTLOOK .....JAN 17 P. 2
JUNE 1 WHEAT CARRYOVER MAY BE BIGGEST SINCE 1960S USDA SAYS .....FEB 14 P. 5
EEC WHEAT STOCKS SEEN HIGHER, USE DECLINING BY 1980 .....FEB 21 P. 9
CHINA FOCUSES ON 'SHORT-TERM' WHEAT RESEARCH .....FEB 28 P. 65
BERGLAND'S CANADA-U.S. WHEAT PLAN DRAWS INDUSTRY SKEPTICISM, WARNINGS .....MAR 07 P. 2
WINDS DAMAGE WHEAT CROPS IN SOME AREAS .....MAR 14 P. 6
WHEAT WIND DAMAGE DROPS .....MAR 21 P. 8
'GRAIN COFFEE' TO HIT MARKET IN MAY .....APR 11 P. 1
WHEAT PRICE FLOOR CHANCES CALLED 50-50 .....APR 25 P. 65
WHEAT PEGGED AT 1.52 BILLION BUSHELS .....JUN 13 P. 4
ECONOMICS, SUPPLIES LEADING FEEDERS TO INCREASED WHEAT USE .....JUN 20 P. 1
SOVIET WINTER WHEAT MAY YIELD WELL IF WEATHER IS WARM, DRY: USDA .....JUL 04 P. 3
RESEARCHERS OFFER TIPS ON FEED WHEAT TO HOGS .....JUL 04 P. 11
STUDIES: CARE NEEDED IN POULTRY WHEAT FEEDING .....JUL 04 P. 12
EXPECT A LOT OF WHEAT FEEDING, USDA SAYS .....JUL 25 P. 77
CATTLE TAKE UP SLACK IN SURPLUS SUPPLY OF WHEAT .....AUG 15 P. 14
UGG REVISES CANADIAN WHEAT OUTPUT ESTIMATE .....AUG 22 P. 4
WHEAT PRODUCING NATIONS PREPARE FOR LONDON WHEAT COUNCIL CONFERENCE .....AUG 22 P. 4
USDA RESEARCHER DEVELOPS WHEAT PROTEIN TEST .....AUG 22 P. 20
PROGRAM INTENTIONS FOR 1978 WHEAT .....SEP 12 P. 3
NUTRITIONISTS LIST GUIDELINES FOR WHEAT, WHEY .....SEP 26 P. 1
U.S. HOPES AGREEMENT CAN LIMIT WHEAT PRICE SWINGS .....OCT 03 P. 5
SPROUT DAMAGED WHEAT ELIGIBLE FOR PRICE SUPPORT .....OCT 17 P. 25
USDA CLARIFIES WHEAT SET-ASIDE PLANS FOR 1978 .....OCT 17 P. 38
USDA REVEALS WHEAT DEFICIENCY PAYMENT PROGRAM .....NOV 07 P. 4
CONSENSUS ON WHEAT TRADING MAY EMERGE .....NOV 21 P. 2
HEAVY LOAN ACTIVITY, IMPROVED EXPORTS BRIGHTEN WHEAT OUTLOOK .....NOV 21 P. 5
U.S. NEGOTIATING WHEAT RESERVE, AGREEMENT, SEPARATE AGREEMENT COVERING FEED GRAINS .....DEC 26 P. 2
1.321 BILLION BU. WINTER WHEAT CROP FORECAST .....DEC 26 P. 7

WHEY
DRIED WHEY BOOSTS HAYLAGE DIGESTIBILITY IN S.D. TRIALS .....JAN 17 P. 17
ESTIMATION OF ENERGY CONTENT OF LIQUID WHEY FROM ITS DRY MATTER AND LACTOSE CONTENTS .....MAY 09 P. 28
WHEY BOOSTS SILAGE DM DIGESTIBILITY IN DAIRY TRIALS .....MAY 16 P. 16
CATTLE USAGE TOPS DRY MILK, WHEY TONNAGE IN '76 .....MAY 23 P. 96
THE MARKETPLACE .....JUL 18 P. 8
NUTRITIONISTS LIST GUIDELINES FOR WHEAT, WHEY .....SEP 26 P. 1
ARTIFICIAL SUGAR REPLACERS, WHEY INTENSIFIERS, AROMATIC ATTRACTANTS FOR SWINE STARTER RATIONS .....NOV 21 P. 24

WOOD BYPRODUCTS
SOUTH DAKOTANS STUDY GROUND ASPEN WOOD AS BEEF COW RATIONS .....MAR 28 P. 20

YEAST
YEAST CULTURE FOUND TO FIGHT HIGH NITRATES .....JAN 31 P. 16